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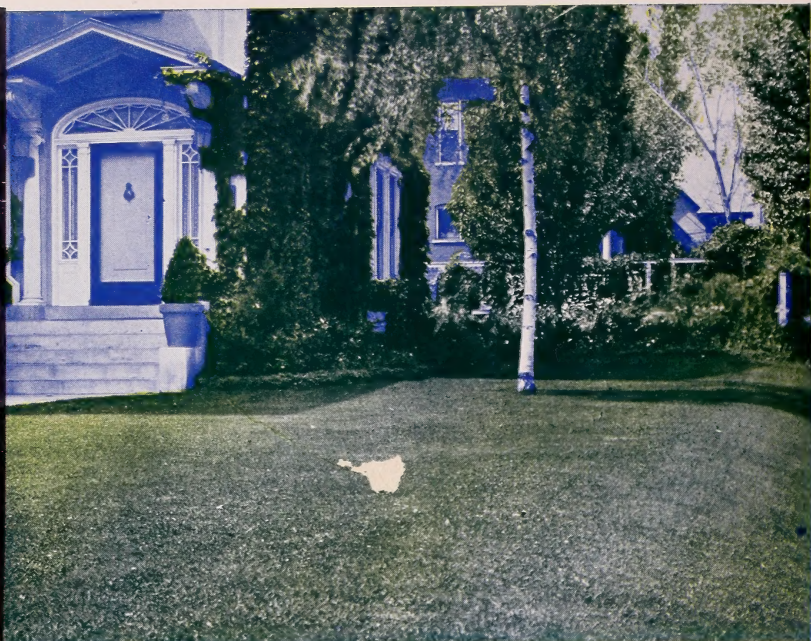
# THE GARDEN BOOK

**NO. 35**  
**PORTER~WALTON CO.**  
**SALT LAKE CITY, UTAH**



**P.-W.'s LAWN SEED**, like everything else wearing our label, has been carefully selected by the most rigid tests to insure the highest quality obtainable.

No expense or pains has been spared to secure that which is not only adaptable to Western soils and climatic conditions but such that can be depended upon with the utmost confidence by all our customers.



Attractive Lawn of One of Our Customers Using P.-W.'s Velvet Green Lawn Seed

## How to Make a Lawn

The ground should be well spaded and thoroughly raked, so that the soil is fine and free from lumps and its surface smooth, even and firm. If a thick, heavy sod is wanted quickly, seed should be sown at the rate of one pound to 150 or 200 square feet. It takes twice as much seed to make a lawn as it does for raising hay and it frequently happens that good results are not obtained on account of scanty seed. A dressing of granulated Peat Moss on a new lawn is very beneficial. (See page 75.)

**P.-W.'s Leaflet on "How to Make and Care for a Lawn" Sent Free Upon Request—Write for Copy**

The lawn is the most important factor in the development of the home grounds. It furnishes the setting for the house and puts the finishing touch on an attractive home. Proper grass seed mixtures cannot be selected and compounded in a haphazard manner. It requires precise knowledge and experience to produce a formula that will meet the varying condition of soil, situation and climate and produce throughout the entire season a beautiful green sward. Through years of experimentation we have developed Lawn Grass Mixtures which we can unhesitatingly recommend. They are composed of only plump, clean, vigorous seeds which are sure to produce satisfactory results.

## P-W'S SELECTED LAWN SEED

### P.-W.'s Velvet Green Lawn Mixture

The best lawn seed experience can suggest or that money can buy. Produces a beautiful, permanent lawn in four to six weeks. By properly choosing early, medium and late grasses a smooth, even green lawn is assured from early spring to late autumn. In P.-W.'s Velvet Green Grass Seed are included only the very best varieties—pure, clean and free from foul seed. Sow at rate of one pound to 200 square feet. Price: lb. 55c; 3 lbs., \$1.50, postpaid. Not prepaid lb., 50c; 10 lbs., \$4.50.

### P.-W.'s Creeping Bent

This is the true Creeping Bent Grass, which we are able to offer to the trade this season. P.-W.'s Creeping Bent has been harvested under closest inspection. Especially recommended for Lawn and Golf Courses, for the reason that it makes an exceptionally fine turf that smothers out dandelions and other weeds. It is an ideal lawn grass, makes a very fine, green color, close sward and adapts itself readily to any soil.

Sow in Fall or Spring, 3 to 4 pounds to 1,000 sq. ft. We offer the best obtainable grade of this species. 1 lb., \$1.50; 3 lbs., \$4.25, postpaid. Not prepaid, lb., \$1.45; 10 lbs., \$14.00.

### P.-W.'s Shady Nook Lawn Mixture

Prepared especially for shady places where it is difficult to get a turf established. Lb., 65c; 10 lbs., \$6.00, postpaid. Not prepaid, 55c lb.; 10 lbs., \$5.00.

**Red Top Grass** Fancy re-cleaned solid seed; in popularity for lawn use it is a close second to Kentucky Blue Grass. Lb., 35c; 10 lbs., \$3.25, postpaid. Not prepaid, lb., 30c; 10 lbs., \$2.75.

**Kentucky Blue Grass** The main stay for lawn making; our stock is extra fancy re-cleaned, heavy seed. The purest and cleanest obtainable. Lb., 50c; 3 lbs., \$1.40, postpaid. Not prepaid, lb., 45c; 10 lbs., \$4.00.

### Red or Creeping Fescue (Festuca Rubra)

Because of its good creeping root system this makes splendid turf for putting greens. When used for greens it should be sown alone. It makes a good ingredient for lawn mixture as it does well in sandy soil and in shaded places. Sown in Spring or about the first of September. Lb., 50c; 3 lbs., \$1.40, postpaid. Not prepaid, lb., 45c; 10 lbs., \$4.00.

**White Clover** First class re-cleaned seed. Specially selected for lawn use. Lb., 60c; 3 lbs., \$1.65, postpaid. Not prepaid, lb., 55c; 10 lbs., \$5.00.

For golf and athletic field mixtures; also complete list of grass seeds (see pages 63-67).

The very best lawn fertilizer we know of at present is "Vigoro." (See page 75.)

Market Fluctuates—Write for Quantity Prices on All Lawn Seed



**PORTER-WALTON CO.**  
**Salt Lake City, Utah**

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# Books on Horticulture



## Gardening and Kindred Subjects

All Books Sent Postpaid  
at Prices Given

**Annuals in the Garden (By H. Stuart Orloff)**—This book contains full instructions for growing annuals, sowing seed, transplanting, and care in the garden. It also includes summer-flowering bulbs and biennials. Illustrated. Price, \$1.25.

**Book of Bulbs (Rockwell)**—A new book giving complete directions for the growing of all kinds of bulbs. Price, \$2.00.

**Dahlias (Rockwell)**—Learn to know the different types of dahlias and their uses in your garden, how to plant and grow them, what fertilizers to use, how to control pests, how to harvest and store the tubers, grow for exhibition, and how to propagate and hybridize. Brief and practical. 65 illustrations, 80 pages. Price, \$1.25.

**Garden Guide (Amateur Gardener's Handbook)**—Tells how to plan, plant and maintain the home grounds, how to grow vegetables, fruits, flowers, etc. Price, \$2.65.

**How to Grow Roses (Pyle, McFarland and Stevens)**—Makes every step in the culture and care of roses so clear that any grower can understand it and succeed with them. A completely re-written edition of America's most popular rose book. 144 pages, 32 plates in full color, 32 half-tones, and other illustrations. Price, \$2.00.

**Around the Year in the Garden (F. F. Rockwell)**—It is arranged in 52 chapters, each telling what to do in the garden every week of the year. It covers the vegetable garden, flower garden, roses, shrubs, berries, fruit trees, insects and diseases, vegetables for winter, pruning, and all other garden operations, 88 illustrations, 350 pages. Price, \$2.50.

**Evergreens for the Small Place (F. F. Rockwell)**—All the information you need to make the best use of evergreens is in this handy book, written by one who is himself a home owner and a garden maker. 84 pages, \$1.25.

**The Gardener (L. H. Bailey)**—Beginning with A and running through to Z, this book lists and tells how to plant and care for all the common flowers, vegetables, and fruits from the time they are planted through to maturity. Entries are cross-referenced and the book is unusually easy to use. 116 illus., 260 pages. Price, \$2.00.

**The Garden Club Manual (Edith R. Fisher)**—Practical, tested information on every detail of the organization and management of garden clubs, including model constitutions, program suggestions, complete directions for staging flower shows, civic improvement projects, and junior garden clubs. Price, \$2.00.

**Garden Pools: Large and Small (Ramsey and Lawrence)**—Nothing else can add so much to your garden as a pool, even if it is only a transformed wash tub in the tiniest garden space. How to have one is fully explained in this new book. Its text is so complete and its illustrations are so numerous and practical that you can easily find the type of pool that fits in your garden and learn all about designing, planting and caring for it. 41 illus., 122 pages. Price, \$2.50.

**Gladiolus (F. F. Rockwell)**—Recommended as "the best brief guide on gladiolus growing." It tells how to plant, fertilize, and cultivate; how to grow from seed or bulbets; how to harvest and cure; how to handle for cut flowers; and every other detail needed for success with this popular flower. 45 illustrations, 79 pages. Price, \$1.25.

**Hortus (L. H. and Ethel Zoe Bailey)**—A concise dictionary of gardening, general horticulture and cultivated plants. All of the ornamental, fruit, and vegetable plants cultivated in North America today are included in this alphabetically arranged book, with brief but complete and useful information on how to grow them, their hardiness, uses, soil requirements, transplanting, propagating, native habitat, range of cultivation, and other important points. **THE BIGGEST BOOK BARGAIN OF THE YEAR.** (Formerly \$10.00.) Now reduced to \$5.00.

**The Gardener's How Book (By Chesla C. Sherlock)**—What causes asters to turn yellow? When should dahlias be planted? How can a lily pond be kept fresh? The answers to hundreds of such questions are given in convenient reference form in "The Gardener's How Book." Illustrated. Cloth—Price, \$3.50.

**Perennial Gardens (By H. Stuart Orloff)**—More than a list of plants with directions for growing, this is a creative handbook of their uses. Plans and planting lists include almost every conceivable kind of small garden, each one of which was actually planted and brought into flower before being included in the book. Illustrated. Price, \$1.25.

**The Home Vegetable Garden (Freeman)**—Full of practical details for laying out the garden, planting and growing vegetables successfully. 8 illustrations, 214 pages. Price, \$1.75.

**Landscaping the Home Grounds (L. W. Ramsey)**—Step by step, with photographs and plans, this new book shows just how to develop your home grounds for greatest beauty. Each of the 175 illustrations tells a story or teaches an important lesson at a glance. 175 illustrations, 170 pages. Price, \$2.00.

**Plant Names (T. S. Lindsay)**—If jaw-breaking plant names puzzle you, this little book will make the system and the reasons clear. It tells how plants are named, why they are named as they are, and just what each word form, prefix or suffix means. 99 pages. Price, \$1.00.

**Principles of Fruit Growing (L. H. Bailey)**—Practical information for growers of every kind of tree and bush fruits. Tells where to locate the orchard, how to plant, cultivate, prune, spray, and do every other operation necessary to bring high production. Methods of harvesting, grading, and marketing are described. 186 illustrations, 432 pages. Price, \$2.50.

**The Pruning Manual (L. H. Bailey)**—Instructions on just how and when to prune trees, shrubs, and vines. Explains the physical structure of plants, their habits of growth, methods of flower and fruit bearing and how pruning can be fitted intelligently to these. 381 illustrations, 400 pages. Price, \$2.50.

**Roses (F. F. Rockwell)**—Tells just what the beginner or average flower lover can do with roses. Varieties are classified according to their uses, and the part each plays in the garden is fully explained, with complete directions for rose care and culture, planting, propagation, protection from insects and diseases, and variety lists. 74 illustrations, 88 pages. Price, \$1.25.

**Shrubs (F. F. Rockwell)**—Here is brief but complete and usable information on the best ways to improve the beauty and value of your home with shrubs. Tells what to select for different combinations and effects, and how to plant, water, mulch, prune, and care for shrubs. 49 illustrations, 76 pages. Price, \$1.25.

## Useful Tables

Approximate number of feet of row per acre at given distances:

Distance between rows:	18 inches	24 inches	30 inches	36 inches	42 inches	48 inches
Feet of row:	29010	21758	17427	14526	12439	10853

### NUMBER OF TREES OR PLANTS REQUIRED PER ACRE

RULE—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet, for each plant or hill, which, divided into the number of square feet in an acre (43,560), will give the number of plants to the acre.

### TABLE OF DISTANCES FOR PLANTS REQUIRED PER ACRE

Apples, 30 to 40 ft. each way	Apricots, 20 to 25 ft. each way	Raspberries, 3 to 4 ft. each way
Pears, 20 to 30 ft. each way	Quinces, 15 ft. each way	Strawberries, 1½ to 3 ft. each way
Cherries, 20 to 30 ft. each way	Walnuts, 40 to 50 ft. each way	Blackberries, 6 to 8 ft. each way
Plums, 20 to 30 ft. each way	Currants, 3 to 4 ft. each way	Grapes, 8 to 10 ft. each way
Peaches, 20 to 25 ft. each way	Gooseberries, 3 to 4 ft. each way	

For General List of Orchard Trees See Pages 78-85



FROM.....

PLACE  
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# Porter-Walton Company

SEED & NURSERY SPECIALISTS

42 WEST 1st SOUTH STREET

Salt Lake City, Utah



*Before Sealing This*  
**BE SURE**

**You have Signed  
Your Name and Full Address**

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***PROMPT SERVICE***  
**Whether a Packet or a Car Load**





# PORTER-WALTON'S

## SEED AND NURSERY BOOK No. 35



Submitted with the wish that you will make it your Reference Book for Authentic Information on Subjects covered. It tells the truth about P.-W.'s Mountain-Grown Seeds, Bulbs, Plants, and Trees.

### P.-W.'s Guarantee of Quality and Safe Delivery

If such a rare circumstance should happen that your garden failed **through the fault of seeds purchased from us**, we will refill the order or refund the entire purchase price of the stock in question. No seedsman in the world will do more, and most of them would do nothing after it is accepted and planted. Of course, we cannot assume any responsibility for the crop, as we cannot control the weather, soils, moisture, pests and other agents which make for success or failure. Also as long as the human element is involved in the handling of stocks we are compelled to sell, subject to the following disclaimer adopted by the American Seed Trade Association: "The Porter-Walton Company gives no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds or plants it sends out and will in no way be responsible for the crop. If the purchaser does not accept the goods on these terms they are to be returned at once."

**About Prices and Delivery** The prices in this Catalog cancel all previous quotations and are subject to any Code changes. **Safe delivery is positively guaranteed. You are therefore, as close to us as your Post Office or Railway Station.**

**Seed Trial Grounds and Nurseries,**  
Centerville, Utah.

**Nursery Sales Yard** (Opposite City Store),  
Corner of Richards St. at First South  
Salt Lake City, Utah.

Yours for another Successful Garden this year.

### Porter-Walton Company.

Gen. Offices, Store and Mail Order Dept.,  
Cor. Richards St., at First South Street,  
Salt Lake City, Utah.



**Upper left**—Greenhouses at Centerville where germination tests are made. Soil tests to maturity are conducted here in "open ground trials."

**Lower Left**—Peach trees at Centerville Nursery.

**Center**—General Offices, Store and Nursery Sales Yard at the Corner of Richards St., at First South.

**Upper Right**—Buildings Nos. 1 and 2 provide frost and heat proof storage for Trees, Shrubs and Bulbs and Nos. 3 and 4 house modern seed cleaning machinery and storage for Vegetable, Flower and Farm Seeds.

**Lower Right**—A mid-season snapshot of one-year-old Apple Trees at our Centerville Nursery.



# MAKE A HOME GARDEN



**A Trifling Outlay for Seeds and "a Little Spare Time" Work Produced the Above**

W. M. CASE, Extension Horticulturist, says: "A good vegetable garden is a big help to any family. It reduces the cost of living and adds greatly to the health of the members. Students of nutrition tell us that vegetables lead the list of foods known as regulators. They provide bulk and vitamins and are one of the best sources of mineral matter. We are urged to eat two vegetables daily besides potatoes, one of which is a green or leafy vegetable. This is very important to families whose circumstances do not allow them to purchase the proper foods for children.

"The home garden provides a method whereby the unemployed may exchange labor for food. If a small plot of ground can be secured, anyone who is willing to work can grow a good garden."

## You Can Get P.-W.'s Seeds from Your Local Merchant

For the convenience of our patrons throughout the Intermountain States, Your Corner Groceryman, Hardware Merchant or Drug Store carries an assortment of P.-W.'s Mountain-Grown Seeds. The accompanying cut shows one of our seed assortments set up in a typical grocery department. These seeds are put up from our choicest strains and are thoroughly dependable, having been tested at our Centerville Seed Laboratories and Trial Grounds. Go to your home dealer for your supply of P. W.'s Tested Seeds. **But insist upon P.-W.'s Mountain-Grown Seeds and accept no substitutes, P.-W.'s are hardier and more productive, specially adapted to the Intermountain West as well as lower altitudes.**

## P.-W.'s Seed Novelties and Specialties

On the pages that immediately follow we list some of the outstanding new or special strains of vegetables of the more recent introductions, as well as the worthwhile of the well known varieties. Each year we test out at our Centerville Trial Grounds many varieties we gather from all parts of the world. Growing them as we do until maturity and side by side with well known types, we are able to compare their merits as to their adaptability to our conditions of climate. In this process of elimination scores, of course, are discarded. Among those of special merit we select the best and pass them on to our customers. Those that we list we recommend and know that are worthwhile. It costs hundreds of dollars annually to maintain these testing grounds; however, it eliminates all guess work and pays handsome dividends in the satisfaction given to our customers. We know that our customers can depend upon the varieties we list to fulfill to the letter all recommendations.

**With P.-W.'s There Is No Guesswork—  
By Test the Best Has Been Selected.**



**A Typical Display of P.-W.'s Seeds  
At Your Local Merchant's Store**



# HINTS FOR HOME GARDENERS

## P.-W.'s Mountain-Grown Seeds

### Preparing the Soil

A rich sandy loam is well adapted to gardening. Other kinds of soil are suitable, but stiff clays need plenty of fibrous material and must be thoroughly broken up. Sandy soils generally need additional fertilizing.

When fertilizing is needed, well-rotted stable manure is always beneficial, but it should be supplemented by commercial fertilizer containing a good percentage of phosphate and potash. Wood ashes may be applied liberally to most soils. For general use where manure is not available, a commercial fertilizer containing 4 per cent nitrates, 12 per cent phosphate, and 4 to 6 per cent potash, is usually best. Apply at the rate of about 4 pounds to the square rod.

Work the soil deeply and make the top three or four inches as fine and loose as possible. Remember that much weed killing can be done by hoeing or raking just before planting. Do not work clay soils when they are wet enough to stick to hoe or spade.

### Planting

When planting seed, avoid disappointment and possible failure by means of:

First—A constant and correct degree of moisture. The soil should always be moist, but never wet when avoidable. To retain moisture after planting, cover seed immediately with fine freshly prepared earth and press it down firmly and smoothly. This firming of the soil brings the particles of earth into close contact with the seeds, prevents drying out, and facilitates growth.

Second—The proper degree of heat. This is secured by planting when the atmospheric and soil temperatures are most favorable for germination of kind of seed that is to be planted. The best temperature for each sort may be learned from careful study of our cultural directions (see page 4) and by inquiry among the successful gardeners in your neighborhood.

Third—Covering the seed at the right depth. This varies with different kinds of seeds and conditions of the soil and can be learned only through practical experience.

Fourth—Proper condition of the soil. It must be loose and soft so that the tender stems of seedlings can easily emerge and the young roots quickly find plant food. This is usually secured by careful preparation of the soil and by not planting fine seeds when the ground is wet.

### Cultivating

Stirring the surface soil during the period of growth kills weeds, loosens the ground so as to encourage root development, allows the air to enter, and helps to conserve moisture. Cultivation may be deep at first, but as the plants grow it should be more shallow to avoid injury to the roots.

### Starting Plants Indoors

Such vegetables as tomato, pepper, egg plant, and celery, and many of the flowers can be started indoors. Shallow wooden boxes three to four inches deep and convenient to handle are suitable for this purpose. Use rich, loose soil and plant the seed rows about two inches apart. Place the box in a well lighted window and keep the soil moist. As soon as the seedlings are a half inch tall, transplant to other boxes, setting them at least two inches apart each way. Give the plants plenty of sunlight and only

moderate temperature so that they will not become spindling. Before setting in the garden, "harden off" the plants by placing the boxes outdoors on mild days, protecting them at night until they are able to stand the weather without injury.

### Hotbeds

You can gain time and have early vegetables at small cost by means of a hotbed. The construction is simple, and the expense so slight that any gardener can provide one for himself.

### Managing the Hotbed

In using a hotbed the essentials for success are:

1. Steady, uniform heat and moisture.
2. Keeping the soil a few degrees warmer than the air above it.
3. Careful "hardening off" before transplanting to the open air by gradual exposure to cooler temperature and by diminishing the supply of water.

The greatest difficulty in accomplishing these three essentials, probably, is overheating the air in bright sunshine. Great care and watchfulness will be necessary to avoid it.

Without experience one would scarcely believe how quickly the temperature in a well-built hotbed will rise to 90 or 100 degrees upon a still, sunny day, even when the temperature outside is far below freezing; or how quickly the temperature will fall to that outside, if upon a windy, cloudy day the sash is left open ever so little. A rush of cold air driven over the plants is far more injurious than the same temperature when the air is still. Again, in cloudy weather, a bed can go several days without watering, but will dry up in an hour when open on a sunny day.

### Transplanting

In transplanting, either outdoors or from the hotbed:

Take care to avoid injury to the roots in taking up the plants.

Set plants out as soon as possible to prevent air from coming in contact with the roots.

Firm the soil around the plants so that they can take secure hold.

Provide shade to keep the hot sun from withering and blighting the leaves.

### Watering

The best hours of the day to water plants are early morning or evening. The roots, however, may be watered at any time. One good soaking is better than many light sprinklings.

### Cold-Frame

A cold-frame is a simple construction of boards for wintering young plants, such as cabbage, lettuce, cauliflower, etc.; it is also useful to protect and harden off plants from the greenhouse or hotbed before fully exposing them in the open air.

Select a dry, southern exposure and make a frame from four to six feet wide and as long as required. The back should be fourteen to eighteen inches high and the front eight to twelve, with a cross-tie every three feet. The frame may be covered with sash or cloth. Seeds of the vegetables to be wintered, sown in the open border early in September, will be ready to plant in cold-frames about the last of October. The soil should be well prepared and smoothly raked before planting. Admit air freely on pleasant days, but keep the frame closed in severe weather.



# PLANTING CHART FOR P.-W.'s VEGETABLE SEEDS

Variety	Seed for 100 ft. Row	* Seed for 1 Acre	† Depth to Plant	§ Put Rows Apart	§ Leave Plants Apart in Row	‡ Time to Sow
ARTICHOKE (Globe)	3 pkts.	12 oz. T	1 in.	4 ft.	3 ft.	Early Spring
“ Plants “	33 plants	3000 Plants.		4 ft.	3 ft.	Spring
“ (Jerusalem)	3 lbs.	300 lbs.	3 in.	3 ft.	2 ft.	Spring
ASPARAGUS (Seed)	2 oz.	2 lbs. T.	1 in.	1 ft.	3-5 in.	Early Spring
“ (Plants)	50 plants.	1500-2500	4 in.	2-5 ft.	1 ft.	Early Spring
BEANS, Bush	1 lb.	60 lbs.	1-2 in.	18 in.	3-4 in.	Late Spring
“ Pole	8 oz.	40 lbs.	1-2 in.	4 ft.	4 ft. hills	Late Spring
BEETS, Table	2 oz.	5 lbs.	¾-2 in.	12 in.	2-4 in.	Spring (S)
“ Mangel	2 oz.	8 lbs.	2 in.	18 in.	8 in.	Spring
BROCCOLI	1 pkt.	8 oz. T	½ in.	24 in.	12-18 in.	Spring
BRUSSELS SPROUTS	2 pkts.	8 oz. T	½ in.	24 in.	16-24 in.	Early Spring
CABBAGE	2 pkts.	8 oz. T	½ in.	24 in.	12-18 in.	Early Spring
CARROT	1 oz.	4 lbs.	½-¾ in.	12 in.	3 in.	Spring
CAULIFLOWER	1 pkt.	4 oz. T	¾ in.	30 in.	24 in.	Spring
CELERY	2 pkts.	4 oz. T	¾ in.	20 in.	6 in.	Spring
CHERVIL	1 oz.	2 lbs.	¾ in.	18 in.	3-4 in.	Early Spring
CHICORY	1 pkt.	4 lbs.	¾ in.	18 in.	2-4 in.	Early Spring
CORN SALAD	3 oz.	3 lbs.	½ in.	12 in.	2 in.	Early Spring
CORN	1 pkt.	10 lbs.	1-2 in.	24 in.	24 in. hills	Late Spring (S)
CRESS	½ oz.	3 lbs.	1-2 in.	12 in.	4 in.	Early Spring (S)
CUCUMBER	2 pkts.	3 lbs.	1 in.	12 in.	4 ft. hills	Late Spring
EGG PLANT	1 pkt.	4 oz. T	¼ in.	24 in.	24 in.	Early Spring (H)
ENDIVE	½ oz.	4 oz. T	½-1 in.	18 in.	8-10 in.	Spring
HORSE RADISH	70 roots	10,000	4 in.	30 in.	14 in.	Spring
KALE	1 pkt.	2 lbs.	½ in.	30 in.	18 in.	Spring
KOHL RABI	1 pkt.	4 lbs.	½ in.	18 in.	4-6 in.	Early Spring
LEEK	½ oz.	4 lbs.	½ in.	12 in.	4 in.	Early Spring
LETTUCE	3 pkts.	4 lbs.	¼ in.	18 in.	4-6 in.	Early and Late Spring
MELONS, Musk	3 pkts.	3 lbs.	1-2 in.	5 ft. hills	5 ft.	Late Spring
“ Water	1 oz.	4 lbs.	1-2 in.	8-10 ft. hills	8-10 ft.	Late Spring
MUSTARD	1 pkt.	2-3 lbs.	¼ in.	12 in.	3 in.	Spring
OKRA	2 oz.	8 lbs.	1 in.	3 ft.	24 in.	Late Spring
ONION	1 oz.	4 lbs.	½ in.	12 in.	4 in.	Early Spring
“ Sets	2 lbs.	300 lbs.	1 in.	12 in.	4 in.	Early Spring
PARSLEY	1 pkt.	6 lbs.	¾ in.	12 in.	4 in.	Spring
PARSNIP	2 pkts.	5 lbs.	¼-½ in.	15 in.	5 in.	Early Spring
PEAS	2 lbs.	60-125 lbs.	2-4 in.	14 in.	3 in.	Early Spring (S)
PEPPER	1 pkt.	8 oz. T	¾ in.	24 in.	18 in.	Early Spring (H)
POTATO, Irish	10 lbs.	1,000 lbs.	4-8 in.	24 in.	12 in. hills	Spring
“ Sweet	75 slips	9,680 plts. T	3 in.	24 in.	12 in.	Late Spring
PUMPKIN	2 pkts.	3 or 4 lbs.	1-2 in.	6 ft. hills	6 ft.	Late Spring
RADISH	2 oz.	10 lbs.	½ in.	12 in.	1 or 1½ in.	Spring (S)
RHUBARB	½ oz.	1 lb.	½ in.	12 in.	4 in.	Spring
“ Roots	33 plants	2,420	3-4 in.	4 ft.	3 ft.	Early Spring
SALSIFY	2 oz.	8 lbs.	½-1 in.	12 in.	2 in.	Early Spring (S)
SPINACH	1 oz.	10 lbs.	½-1 in.	12 in.	3-4 in.	Early Spring and Fall
SQUASH	2 pkts.	2-3 lbs.	1-2 in.	6 ft. hills	6 ft.	Late Spring
TOMATO	1 pkt.	2 oz. T	¾-½ in.	4 ft. hills	4 ft. hills	Early Spring (H)
TURNIP	3 pkts.	3 lbs.	¼-½ in.	12 in.	4 in.	Spring (S)

The terms used in this column are defined as follows:

\*“T,” placed in the column is to mark those sorts which are usually sown in beds and later transplanted to the garden, and always transplanted to the field.

For last planting of Beans, Sweet Corn, Peas and Radishes, or even Tomatoes, take the earliest varieties.

Late sowings of Salsify are intended to remain undisturbed over winter.

§ The usual distances are here given and the planter must use his judgment for his particular case. Where garden cultivation is by wheel hoe and ample room is available, a greater distance is better employed. If the patch will be cultivated by horse, leave a greater distance between rows.

† The Depth at which to plant seed cannot be given more than approximately because it varies so much with the condition of the moisture in the soil and the time of the year. All seeds must have air, moisture and heat to germinate.

‡ “Early Spring,” means as soon as buds in the trees begin to swell and the ground can be worked into gardening condition.

“Spring” refers to those vegetables which are not so hardy as the above, and which are usually planted later because they do so much better planted later.

“Late Spring,” is the time of year when the ground is well warmed and all frosts are passed.

“H” means plant in hotbed and transplant to open ground later.

“S” placed in this column means that those are sown for succession.



# ASPARAGUS

Sow early in the spring, in a bed of light, rich, well manured soil, in drills one foot apart. When the plants become withered, cut them down and spread well rotted stable manure two inches deep over the bed. Let the plants remain in the seed bed until they are about to grow, early in the spring.

For private garden use, set in rows two feet apart and the plants about a foot apart in the row, with crowns four inches below the surface, and spread the roots. For field culture, the rows should be six feet apart and two feet apart in the rows.

**Palmetto**—Light green.

**P.-W.'s Early Giant Argenteuil**—Special strain of this famous Parisian Asparagus. Grows to a large size, free from rust, superb flavor. Locally a favorite for canning.

**Any of above**—Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., 85c, postpaid.

**New Mary Washington** This is a new development from the Washington rust resistant variety. It comes into market earlier and has all the rust resistant qualities of the old type. The advantage of earliness is, of course, a very great one for all market growers. The shoots are large size, excellent quality, deep rich green color with a trifle purple tint at the tips. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00, postpaid.

**Write for Prices On Quantities**

## Asparagus Roots

**Two-year-old roots**—35c per doz.; \$1.50 per 100, postpaid. Not prepaid, \$1.25 per 100; \$10.00 per 1000.

## Have An Asparagus Bed of Your Own

In every yard there is room for some asparagus, just a few square feet are needed, or along a fence row, or in front of shed. P.-W.'s asparagus will give you fresh asparagus for almost three months and how good home grown asparagus tastes and as it is so rich in minerals and vitamins it is very healthful. Don't put it off. Plant this spring.

## Allium Schoenoprasum-Chives

An onion-like plant used as a salad and for flavoring soups. Also, the plant makes an excellent ornamental garden bed edging which may be frequently cut, a new growth of leaves appearing soon after each cutting. One sowing will answer for about three years. Pkt., 10c; ¼ oz., 25c; oz., 75c. **Plants:** 20c per bunch; two for 35c, postpaid. Not prepaid, 15c each; \$1.50 per dozen.

## Artichoke

Artichokes are cultivated for the edible bud that resembles the giant thistle. The plants want a very rich soil and plenty of moisture. The seed should be planted in boxes in February, and transplanted in the field about the latter part of March or April. With slight winter protection they will remain in bearing three or four years.

**Large Green Globe**—The most popular variety, buds large, globular, deep green, with a slight tint of purple at base. Pkt., 10c; oz., 40c; ¼ lb., \$1.25; lb., \$4.00, postpaid.

**Jerusalem (Tuberous Rooted)**—For hog pasture. When once established it is hard to kill out. Lb., 20c; 10 lbs., \$1.50, postpaid. Not prepaid, 100 lbs., \$8.50.

## Brussels Sprouts

The plants are very hardy and grow from two to three feet high, bearing a large mass of leaves at the top. The sides of the main stem are covered with three or four dozen small cabbage heads which are broken off and cooked the same as cabbage. Cultural directions same as cabbage.

**Imported Long Island Dwarf**—Produces an abundant crop of firm, well formed sprouts, thickly set around. Pkt., 10c; oz., 35c; ¼ lb., 90c; lb., \$2.50, postpaid.



Brussels Sprouts



New Mary Washington

## Broccoli

**Italian Green Sprouting**—A plant of the cauliflower family which, after the first head has been harvested produces branching sprouts on which are small loose heads two inches in diameter, which are cooked like cauliflower. The flavor is delicate and delicious. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; lb., \$4.50.

## Chicory

Sow seed the same as for late cabbage plants. The crop of green may be transplanted and set a foot apart in the rows. Best after being touched by frost. One ounce will produce about 3,000 plants.

**Large Rooted or Coffee**—Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75, postpaid.

## Collards

Sow seeds as early in the spring as the ground can be prepared in a rather light, moderately rich soil, in drills two or two and one-half feet apart, for either garden or field culture. When plants are sufficiently large, thin to six inches apart in the row. Cultivate well and in the fall dig the roots, slice them and dry in an apple evaporator or kiln constructed for the purpose.

**Creole or Southern**—Cabbage, Greens, used as a substitute for cabbage in the south. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.20, prepaid.

## Corn Salad

Sow in spring in drills a foot apart; it will mature in six or eight weeks. For winter and early spring use, sow in drills in August or September. Three ounces to 100 feet of drill. Large seeded.

**Broad Leaved**—Pkt., 10c; oz., 20c; ¼ lb., 60c, postpaid.



# BEANS Stringless and Tender

Most people concede there is very little difference either in flavor or tenderness between the wax-podded and the green-podded types. Precisely the same culture should be given to each. In both classes there are round and flat podded varieties; it is thought the round are a little more brittle and the flat are better yielders.

**Culture**—Beans are somewhat tender, but it often pays to take some risks. Plant in warm, loamy soil at the beginning of settled, warm weather in spring, and at intervals for succession until August. Rows may be made 2 feet apart, and the beans planted a few inches apart in the drills, or 3 or 4 beans in hills, 6 to 8 inches apart. If the ground is dry and irrigation necessary to sprout the beans, irrigate the ground first, planting the seed as soon as the ground is dry enough to prepare for the seed. Beans require very little water. After each irrigation or rain mulch the soil as soon as it is in good working condition. This will conserve the moisture and require less water. Cultivate frequently and shallow; but never when the vines are wet. One pound will sow 100 feet of drill, 60 lbs. per acre.

**IT IS NOT GENERALLY KNOWN THAT**—When your bush varieties of string beans have borne a crop don't pull them up but as soon as you have finished the last picking, cut the bush off about six inches above the ground. A new growth will appear and in a remarkably short time bear another crop of beans. The same is true of Fordhook Limas.

## Green Podded Beans

The green podded beans are by far more popular and much more universally grown than the wax varieties. Burpee's Stringless Green Pod is the popular favorite wherever grown and used. As a home garden variety it is in a class by itself, but is too tender for shipping any distance, and rather light colored for canning. It is medium early and quite productive. Giant Stringless Green Pod is a larger type of Burpee's Stringless Green Pod, bush and pods larger and a deeper green, more productive and a few days later. A decided favorite with the market gardener on account of its large pods and heavy yielding qualities.



P.-W.'s New Stringless Green Pod



P.-W.'s Improved Pencil Pod (See page 7)

## P.-W.'s New Stringless Green Pod

This will be a very highly desirable variety for both truckers and canners. It is quite similar to Full Measure but is much harder and a more dependable cropper. Plants are medium large, erect, somewhat thin stemmed but very heavily productive. Pods are nearly straight, dark green, round, meaty and succulent. Absolutely stringless, totally without fiber, and of outstanding quality. Seeds are oblong, purple mottling on buff with brownish cast. Pods are six to six and one-half inches long, three-eighths inch wide. Average time from planting to date of picking is 53 days. Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.00, postpaid. Write for quantity prices.

## P.-W.'s Improved Black Valentine

This new development is the earliest of the green podded bush beans. It is especially well adapted for market garden use and for early shipping. Plants are large, erect, and prolific. Very attractive oval pods nearly straight, dark green, entirely stringless, and of fine quality and delicate flavor. It retains its color and texture in shipping a long distance. Seeds are oval and solid black. It is similar to the old Black Valentine except that it is entirely free from strings. Length of pods from six and one-half to seven inches, three-eighths inches wide. The average length of time from planting to picking is 49 days. Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.00, postpaid. Write for quantity prices.

## Other Good Varieties

**Full Measure** (Bush Kentucky Wonder) — A stringless Round Green Pod.

**Giant Stringless Green Pod** — An immense type of "Improved Early Valentine."

**Burpee's Stringless Green Pod**—Unexcelled for canning. A standard everywhere.

**PRICE (of above varieties)**—Pkt., 10c; lb., 30c; 5 lbs., \$1.00. Write for quantity prices.



# Stringless, Tender, Snap BEANS



Kentucky Wonder (Old Homestead)

**P.-W.'s Improved Pencil Pod** This variety is our selection as the best for the home garden or for nearby markets. It is extremely productive, bearing magnificent, straight, pencil-shaped pods, six to seven inches in length, of a rich golden-yellow color; beautifully rounded, meaty, deeply saddle-backed, fresh, brittle, solid and entirely stringless and of mild, sweet flavor. (See cut, page 6.)

**Prolific Dwarf Black Wax**—The pods are quite round, very fleshy, crisp, tender and stringless. A good market sort, being a prodigious yielder.

**Improved Rust-Proof Golden Wax**—Early productive; pods are long, nearly straight, broad, flat, very fleshy; good snap bean.

**PRICE**—Pkt., 10c; ½ lb., 20c; lb., 30c; 5 lbs., \$1.00. Write for quantity prices.

## Dwarf Lima Beans

We recommend the Dwarf or Bush type as being much more desirable than the Pole Limas. They are of easier culture as the vines require no support; the beans are fully equal in quality and yield, maturing much earlier; a very decided advantage, especially for the Mountain States. Plant the seed, if possible, in rich light soil after all danger of frost is over. For kitchen garden the rows should be about 18 inches apart and for field cultivation two or three feet; drop the seed 3 to 4 inches apart in the row covering 1½ to 2 inches deep. Limas will not thrive in over moist soils. Of the great number of varieties tested out we have selected two which we think best adapted.

**Fordhook Bush Lima**—Grows very erect, does not come in contact with the ground as did the older sort, named above; pods are twice the size of the "Kummerle" and contain 4 to 5 large thick, beautiful green beans. In contrast with the old sort, which was dry and mealy, this is tender, sweet and juicy; a richly palatable bean.

**Burpee's Improved Bush Lima**—Our trials show this to be the earliest maturing of all the large-seeded Limas, and it is the equal or better in all the

other qualifications that go to make up a desirable bean, either for the home garden or for market. This variety is decidedly best for all purposes of the Large Limas.

**Henderson's Bush (or Dwarf Sieva)**—Known as "Butter Bean." It is one of the earliest dwarf sorts, extremely hardy and productive. Plants grow without runners and continue to grow and set pods until killed by frost in the fall.

**Prices on all the above**—Pkt., 10c; ½ lb., 20c; lb., 35c; 5 lbs., \$1.25. Postpaid. Write for quantity prices.

## Pole and Running Beans

These beans require a pole or trellis to climb on, if planted in the garden, although if raised in the open field they need no support whatever. Set poles four feet apart each way and plant four to six beans about one inch deep around each pole. Thin out to three plants to a hill, if soil is rich. Pinch off ends of plants when they overrun poles, to get more perfect growth below. One pound will plant about 75 to 100 hills.

### Kentucky Wonder or Homestead

—The pods are very thick, meaty and deeply saddle-backed and entirely stringless. Bright yellow in color. The best variety of this class for all purposes. Pkt., 10c; ½ lb., 15c; lb., 30c, postpaid.

### Lazy Wife

—Pods medium dark green color, grown in abundance; measures from 4½ to 6 inches in length, broad, thick, fleshy and entirely stringless. Make excellent shell beans. Pkt., 10c; ½ lb., 15c; lb., 30c, postpaid.

### Pole Lima (King of the Garden)

Pods large, straight and handsome. The pods frequently contain five or six very large beans. These beans are of excellent quality, easily shelled. Pkt., 10c; ½ lb., 20c; lb., 35c, postpaid.

### Scarlet Runner

—Old-fashioned climber, has a bright scarlet pea-like flower. It not only holds its place as a flower but the pods when young are fine quality for cooking. Pkt., 10c; ½ lb., 20c; lb., 35c, postpaid.

**Inoculate Beans.** Helps make a bigger crop and improves the soil. See **Inocular McQueen**, page 75.

### SHELL BEANS—(Continued)

**Great Northern**—Very popular white shell bean, similar to **White Navy** being a little more elongated and a trifle larger. Pkt., 10c; lb., 15c, postpaid.

**Pink Eye**—Large winter shell bean; white with pink spot at center. Pkt., 10c; lb., 20c, postpaid.

**White Navy**—The well known small white. Boston baking bean. Pkt., 10c; lb., 20c, postpaid. Not prepaid, 10 lbs., 75c; 100 lbs., \$6.00.

**English or Broad Windsor**—Immense size; known as the horse bean. Pkt., 10c; lb., 35c, postpaid. Not prepaid, 10 lbs., \$2.50.

**Mexican Red**—Valuable red shell bean in demand for making "Chili." Pkt., 10c; lb., 20c, postpaid.

As prices fluctuate greatly on all Beans, write for quantity prices. If via freight or express at customer's expense deduct 5c per lb. on all postpaid prices.

## Shell Beans

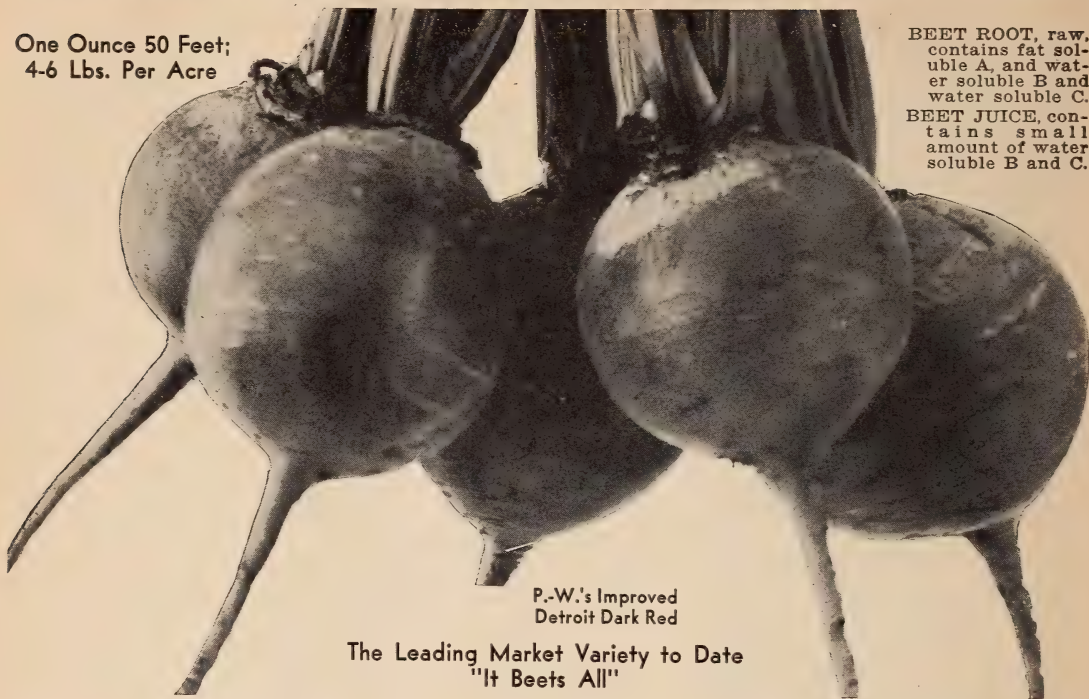
All of the sorts we list under this division are grown exclusively to use as shell beans for winter use. They are grown extensively as a field crop. For horse cultivation they should be sown in rows three to four feet apart, dropping about three seeds to the hill one foot apart in the row. Bean drills are used on large acreages. The quantity per acre sown varies with the sort and soil condition all the way from 10 lbs. to 40 lbs. per acre. For dry situations by all means use the Mexican Pinto, but where water is plentiful and you are growing for market, the White Navy is the best known commercially. The Pink Eye is a splendid variety for home use.

**Vitamin B**, if lacking, brings on gastro-intestinal troubles, neuritis, anemia. BEANS, eaten green, contain fat soluble A, water soluble B, and water soluble C; BEANS, dried kidney, contain water soluble B; BEANS, dried navy, contain water soluble B.



# TABLE BEETS—Rich In Vitamines

One Ounce 50 Feet;  
4-6 Lbs. Per Acre



**BEET ROOT, raw,** contains fat soluble A, and water soluble B and water soluble C.  
**BEET JUICE,** contains small amount of water soluble B and C.

P.-W.'s Improved  
Detroit Dark Red

The Leading Market Variety to Date  
"It Beets All"

**Culture** The soil best suited for beet culture is that which is rather light and well enriched. Sow in drills one foot apart and one inch deep as early as the ground can be worked. When the young plants are two or three inches high, thin to five or six inches. The young plants pulled out make delicious "greens," considered by many superior even to spinach. It is a common practice to plant the seed extra thick to assure an abundance of these tender, fresh plants to use for this purpose. Sowing should be made for succession at least once a month up to the first of July, then making a large sowing to produce well grown roots for winter use.

**P.-W.'s Detroit Dark Red** Extended experience has shown this variety to be the best deep red turnip beet. Tops small, upright growing, so that the rows may be close together; leaves, stems and vines dark red, blades green; roots globular or ovoid, peculiarly smooth; color of skin blood-red, flesh bright red zoned with a lighter shade, very crisp, tender and sweet and remaining so for a long time. Pkt., 5c; oz., 10c; ¼ lb., 40c; lb., \$1.25, postpaid.

**P.-W.'s Good for All** 52 to 55 days. An excellent new variety developed from Detroit Dark Red. Especially fine for canning and pickling whole at 1¼ to 1½ inches in diameter. Roots smooth, even in size and shape, and almost perfectly globular; collar and tap-roots very small; interior deep crimson, free from white zones. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25, postpaid.

**P.-W.'s Early Wonder** (See cut, page 9)—This comparatively new introduction is the earliest of the table varieties. It is globe shape and very uniform in size, skin smooth, flesh a deep blood-red, making it especially desirable for pickling and canning. The tops are small and deep colored. It is fine flavored, remaining tender and crisp for a long period. For a first early type it is unexcelled either for home use or market garden. Pkt., 5c; oz., 10c; ¼ lb., 40c; lb., \$1.25, postpaid.

## Beets—Other Good Varieties

**P.-W.'s Dark Leaved Globe.** Leaves are deep green, stems and veins of the darkest red. The roots are uniformly globular, deep blood-red.

**Crosby Egyptian.** Very early globe-shaped.

**Extra Early Egyptian.** Popular early forcing.

**Eclipse.** Almost as early as the Egyptian.

**Imp. Blood Turnip.** Very regular, deep blood-red.

Any of above, except where noted—Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00, postpaid.

Market growers and planters wishing larger quantities than herein quoted, please write for quantity prices.

## Swiss Chard (Spinach Beet)

**(The City Man's Garden.)** This vegetable gives maximum returns for minimum space. Sow early in spring, in rows sixteen inches apart, and thin out to six inches apart in the rows. It can be used all summer when spinach is not available.

**Fordhook Giant**—Enormous rich blue-green leaves are crinkled or savoyed, when developed; then measure 10 inches in width and 2½ ft. in length, thick and fleshy and their quality is highly appreciated cooked in the same way as Spinach. The pearly white stems or stalks are 2½ in. in width, excellent prepared like Asparagus. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00, postpaid.

**Lucullus Swiss Chard.** A new moss curled sort. Very large leaves. The mid-ribs are very broad and form a good substitute for asparagus during the summer months. The leaves are very large and tender and may be cut continuously from June until frost; cooked and eaten the same as spinach. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00, postpaid.

Swiss Chard is as easy to grow as Beets and replaces Spinach during the hot weather. Swiss Chard contains fat soluble A and water soluble B.





P.W.'s Early Wonder Beet—(See page 6)

# Carrots

For Stock Feeding

Wise Farmers and Stockmen will devote a liberal acreage to this crop.

**CULTURE** — Sow in drills far enough apart for horse cultivator and thin out in row to five to six inches. Requires about four pounds of seed per acre.

Carrots are greatly valued as an extremely palatable, highly nutritious, and wholesome food for all kinds of stock and are greedily eaten by them. Many of the table varieties of Carrots are grown extensively for this purpose and they impart a beautiful butter-yellow color to the milk if fed to cows.

**Improved Long Orange** A well-known standard sort, roots long, thickest near the crown, tapering regularly to a point; color deep orange. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 10 lbs., \$6.50, postpaid.

**Mastodon.** Very productive, large white. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 10 lbs., \$6.50, postpaid.

**Improved Short White.** This is the best and most productive for stock feeding. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c; 10 lbs., \$6.50, postpaid.

Write for Quantity Prices

**MANGELS and SUGAR BEETS** make splendid winter feed for Poultry, Hogs, Sheep, Cattle and Dairy Cows.

**PLANT THEM LIBERALLY**

Special Collection Offer

## Three Good Beets for Home Garden

Beets may be planted right up to the end of July. Repeated sowings at intervals of 3 or 4 weeks will give you an uninterrupted supply of fresh, tender beets. It is advisable to plant both early maturing varieties and later varieties. The special collection offer below is planned to provide for succession planting. This collection includes P-W.'s Wonder Detroit Dark Red, and P-W.'s Good for All.

No. 10—1 oz. each of above three varieties (value 35c) for 25c.

(See page 8 for descriptions)



Giant Half-Sugar Mangel

# BEETS For Stock Feeding

The tremendous importance of stock beets to every stock and dairy farmer in America should be shouted from the housetops. The farmer who is not awake to the money making possibilities of this crop has overlooked one of the most profitable crops known to agriculture. Just think of it: **A yield of from 20 to 60 tons per acre and the feeding value, pound for pound, almost equal to grain;** conservatively figured, just the average yield, therefore, would be the equivalent to a 1,000 bushel yield of oats, as far as feed value is concerned.

**CULTURE**—Sow seed in drills 24 to 30 inches apart and thin to about nine inches in row. Requires 8 to 10 pounds of seed per acre.

## P-W.'s Giant Sludstrup

Wonderful yielder, grows cylindrical in shape and largely out of the ground; easily harvested. Crops as high as fifty tons to the acre are not unusual. Color of skin reddish-yellow above the ground and light rose tint underneath.

## Giant Half-Sugar White Mangel.

This half-sugar beet supplies a food of very much higher nutritive value for feeding purposes, pound for pound, than sugar beet, and the yield is more than double, early harvested. Price (see below).

## Royal Giant or Half-Sugar Rose.

Similar to the Giant Sugar, except color of skin. Price (see below).

## Imp. Mammoth Long Red Mangel

The extra large, long roots are blood-red in color and very nutritious. Enormously productive, yielding, under favorable conditions, as high as 70 tons per acre. Price (see below).

**Golden Tankard.** Flesh yellow, differing from others; sheep prefer it; a heavy yielder. Price (see below).

**Danish Red Giant Eckendorfer.** Of cylindrical form growing above the surface; heavy cropper. Price (see below).

## SUGAR BEETS

**Klein Wanzleben.** This variety is the best in cultivation, not largest but richest in saccharine.

**PRICE**—Any of the above varieties of Mangels and Sugar Beets. Pkt., 10c; ¼ lb., 20c; 1 lb., 60c; 10 lbs., \$5.00, postpaid.

Ask for Prices on Quantities



# CARROTS for Table Use



P.-W.'s New Imperator

**P.-W.'s Imperator** This new introduction is an outstanding type bred especially for market garden use and for shipping. Tops are medium but strong enough for good bunching. Roots have sloping shoulders, smooth, deep orange color, uniformly tapered as a semi-blunt end. Flesh is rich orange, this color extending to the very center of the root, with an indistinct core. Fine grained, tender, and of excellent quality. Average length of roots seven to eight and one-half inches, diameter from one and three-fourths to two inches. It requires about 77 days from planting until Carrots are bunching size. This new development will meet every demand for a better shipping Carrot. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25.

**P.-W.'s Improved Nantes** This variety is a development from the early Half Long Nantes. One of the earliest sorts and on account of its fine, bright color, very attractive, sweet, good flavor, entirely without core, very fine grained. Valuable early table sort. Price: Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c; 1 lb., \$1.00, postpaid.

**P.-W.'s New Coreless Chantenay** This is one of the handsomest and best carrots for both home and market. It matures in 68 days. It is a half long, stump-rooted sort, almost identical in shape with the old Chantenay. It is a heavier cropper than Danvers Half Long. The root is smooth, uniform and handsome. It shows red all the way through without any yellow core whatsoever. This makes it additionally attractive for salad and cooking purposes. The flesh is sweet and tender and never becomes stringy. Price: Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00, postpaid.

CARROTS, raw, contain vitamine fat soluble A, water soluble B and water soluble C.

Ask for Quantity Prices on All Varieties of Carrots

**CULTURE**—Sow at any time in spring in deep, loose, soil, preferably sandy loam, about one-half inch deep, in rows eighteen inches apart and thin to three inches apart. Water freely at all times. One ounce, 150 feet of row, 4-6 lbs. per acre.

**P.-W.'s Red Cored Chantenay** This is an improved Chantenay, being a selection from that very popular type for its attractive interior color which is a valuable item especially for market gardeners. The roots are the same size and shape and possess the good shipping quality of the standard Chantenay. The flesh is reddish orange with a very indistinct core nearly the same color as the flesh. Very tender and sweet. Average length of roots five to six inches, diameter at shoulder is two and one-fourth inches. It requires about 72 days from planting until Carrots are of bunching size. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00, postpaid.

**California Bunching** — Tops short; foliage rather coarsely cut and stems medium size and strong. Roots at maturity are  $1\frac{1}{4}$  by  $1\frac{1}{2}$  by 8 inches in size, almost cylindrical with rounded shoulders, and are well stumped. Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 45c; lb., \$1.25.

**Danvers Half Long**—An old, popular variety and in the past the most largely used, not only for stock raising, but for table use as well. Color is a bright orange scarlet; is very heavy cropper. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00, postpaid.

**Oxheart (Guerand)** — Smooth, handsome, thick and blunt-rooted, about 6 inches long, a rapid grower and of fine quality; color, orange-red; a good all-season carrot. Pkt., 5c; oz., 10c;  $\frac{1}{4}$  lb., 35c; lb., \$1.00, postpaid.

Have a supply of Vegetable Seeds on hand to replace the varieties used up. Beans, Beet, Lettuce, Raddish and Spinach are all suitable for filling in. Keep your garden producing for you.



P.-W.'s Coreless Chantenay



# P-W's Reselected CAULIFLOWER

**CULTURE**—Plant the seed in beds in May for fall crop, and transplant to garden or field the latter part of July. For early summer crop, plant the seed in hotbeds in January or early in February and the plants will be ready for the field as soon as danger of frost is over. Young plants should be thinned, since they become very spindly if allowed

to grow too thick.

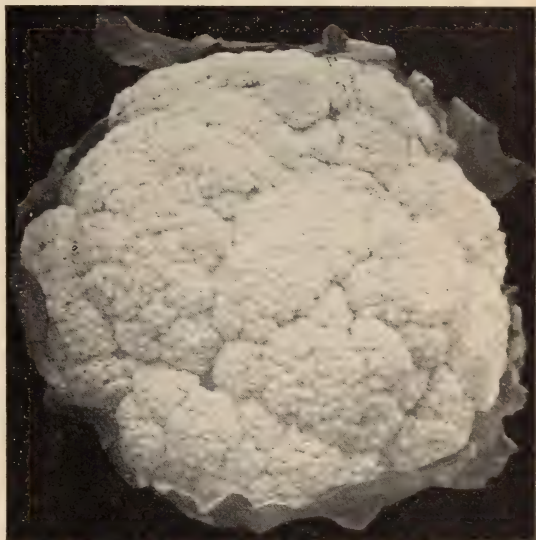
Transplant to the field, they should be set in rows two feet apart each way. If they are hardened before setting in the field and the growth is not checked, they will head well. **One ounce of seed produces 2000 to 2500 plants. It requires about 10,000 plants for an acre.**

**P-W's Perfection (Super Snowball)** — We obtained this grand new strain from a Danish specialist. Our tests show it to be the peer of all yet developed. It is adapted for either early or late fall use. It possesses all the good qualities of the best Early Snowball strains. The leaves are longer than the Snowball varieties, and enfold closely over the heads, giving a particularly attractive appearance when displayed for sale. The inner leaves almost cover the snow-white heads, bleaching them nicely, thus avoiding the necessity of early tying of the leaves, as is necessary with other early sorts. Another noted trait of distinction is its uniformity in maturing, enabling the grower to harvest practically all of the crop at one cutting. Its sure heading characteristics are remarkable and superior to any other strain that has come under our observation. It produces beautiful snow-white, compact, solid heads uniformly of good size and excellent quality. Pkt., 10c; ¼ oz., 75c; oz., \$2.25; ¼ lb., \$8.00; lb., \$27.00.

**P-W's Danish Giant (Dry Weather Cauliflower)**—It is very similar in growth, size and other characteristics to the Early Snowball. It will stand an unusual amount of dry or warm weather and still produce large, solid heads. In some climates, where heretofore it has been impossible to grow good cauliflower, this fine variety has proven a success. Pkt., 10c; ¼ oz., 65c; oz., \$2.00; ¼ lb., \$7.50; lb., \$25.00, postpaid.

**Early Snowball**—The well-known standby. It is just as good as ever. Suitable for either early or late planting. Under favorable conditions nearly every plant will make a fine, solid head of good size. Pkt., 10c; ¼ oz., 65c; oz., \$2.00; ¼ lb., \$7.50; lb., \$25.00.

**P-W's New Snowdrift** This splendid novelty has been developed from a select type of Snowball. It is a larger head than the old type Snowball but has not lost materially in earliness. It matures with great evenness so that the bulk of the crop is nearly as early as the earliest Snowball and harvest is complete in 120 days after date of sowing, under average conditions. The large, round heads are remarkable for great depth and pure snowy-white color. The curd of the fine texture resists in a high measure the tendency to "fuzziness." Heads are firm and solid and have no appearance whatever of green leaves running through. Foliage is somewhat larger than the olden type and the large leaves perfectly protect the head until it is fully grown. This is indeed a very superior strain of cauliflower



P-W's Danish Giant (Dry Weather)

and bids to become one of the most popular varieties, both for market and home garden. Price: Pkt., 10c; ¼ oz., 75c; oz., \$2.25; ¼ lb., \$8.00; lb., \$27.00, postpaid.

## P-W's New White Wonder

This is a new improved strain developed especially for the most critical market garden trade, in fact we believe it to be the last word in early Cauliflowers. The tests last year showed this variety to be about ten days earlier than the Snowball. The heads are especially even, good size, very solid and finely grained; plant is compact, leaves medium size, pure white and does not yellow even when exposed to very bright sunlight. This was especially bred for keeping heads compact and solid even under most unfavorable circumstances. There is little question but what this will become a market garden leader. Price: Pkt., 10c; ¼ oz., 75c; oz., \$2.25; ¼ lb., \$8.00; lb., \$25.00, postpaid.

If you want the best seeds of the best strains of Cauliflower yet introduced, something true to name, type and description, and something you can depend upon, send us your order and you will get it. Our seed comes direct to us from Denmark from the world's best specialists, and is equal to any stock offered elsewhere, regardless of price.

## Cauliflower Plants

Strong, well-hardened transplanted plants of Early Snowball and P-W's Perfection will be ready in April and May. Price, 25c per dozen; \$1.00 per 100, postpaid. Not prepaid, \$6.50 per 1000.

**WATCH YOUR VITAMINES**  
CAULIFLOWER contains water soluble B.

P-W's New Snowdrift



# CABBAGE For All Seasons



Copenhagen Market

**Copenhagen Market** We offered this for the first time in 1913 and it certainly has more than fulfilled our expectations. Repeated comparative tests show it to be as sure a header and as early as the famous old Early Jersey Wakefield. Market gardeners here are delighted with it. The plants are short stemmed, producing heads almost on the ground; uniformly large, round, solid and of excellent quality. The light green leaves are medium in size, saucer shaped and are always tightly folded; the plants may, therefore, be set closer than most other early varieties. It is a vigorous grower and yielder, and an excellent keeper. Our stock of Copenhagen Market comes to us direct from the originator. (See cut.) Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.75, prepaid.

**P.-W.'s Golden Acre Cabbage** Is a new, early, round-headed cabbage which closely resembles Copenhagen Market in type. As its name implies, it is a money-maker. It is 8 to 10 days earlier than Copenhagen Market but is smaller and can be planted closer. Because of its earliness and fine quality it commands a higher price than any round-headed cabbage. Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., \$1.00; lb., \$3.25, postpaid.

**P.-W.'s Early Jersey Wakefield** We assure our market gardener customers that our strain of Jersey Wakefield meets every requirement in points of earliness and even head, so that the entire crop can be marketed very early. It grows very compact with nearly oval, deep green leaves. Short stem, medium size, very solid, pointed heads of excellent quality. Undoubtedly the best extra early pointed headed cabbage, either for home or market. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$2.50, postpaid.



P.-W.'s Early Jersey Wakefield

As with all other seeds, our selections of cabbage stocks are positively from the best sources of supply, and the best strains obtainable, as proven by our own test.

**Culture**—Cabbage does best in rich, moist, well prepared soil; extra care should be taken in working it deeply as most varieties of cabbage do not thrive in shallow soils. For the early varieties in the mountain states and similar climatic conditions sow in hotbeds in the late winter or very early in spring and transplant to the open ground as soon as ground can be worked. Don't neglect to "harden the plants off" before transplanting and see to it that they are not so thick in the beds as to make them spiny. In transplanting to the open ground set in rows 18 to 24 inches apart and 12 to 18 inches between plants in the row. For field cultivation three feet between rows would be better. The fall and winter varieties can be handled in the same way or if the seedbed is in good condition an easier and equally successful method is to sow the seed in hills or with a regular garden drill in the open ground using about one pound of seed per acre; when plants are well out of the ground thin out to proper distances in the row. One ounce 1500 plants; half-pound to transplant an acre.

**About pests**—If bothered with cabbage worms, use arsenate of lead and for cabbage louse or aphid, Black Leaf 40 is effective.

**Vitamines in Cabbage Increase Consumption**—Recent investigations have shown cabbage to be rich in vitamins and as a result of a national campaign to promote the eating of cabbage, cabbage sales are increasing by leaps and bounds. It has been proven that cabbage is a great aid to digestion and people are demanding cabbage as never before.



"P.-W.'s  
Golden  
Acre"

**Glory of Enkhuizen** An early, globe-shaped, medium size sure heading and a splendid keeper. More uniform and more even maturing than Copenhagen Market. Originator's stock. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25.

## OTHER GOOD VARIETIES Fall and Winter Varieties

**Danish Ball Head**—Tall Stem, choice commercial grade. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00.

**Danish Round Head**—Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25, postpaid.

**Premium Late Flat Dutch**—Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50.

## Extra Early Pointed Heads

**Early Winnigstadt**—Sure to head regular, conical shape, very hard and hardy, a good keeper. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25, postpaid. Write for quantity prices.

## Cabbage Plants

Strong, vigorous, well hardened transplanted plants of P.-W.'s Early Jersey Wakefield, P.-W.'s Baby Head, Danish Ball Head (short-stemmed), and Copenhagen Market. They are ready in April and May. Price, 20c per doz.; 70c per 100, postpaid. Ask for quantity prices on field grown not transplanted plants for May and June delivery.

CABBAGE, fresh cooked, contains fat soluble A, water soluble B and water soluble C.

CABBAGE, raw, contains fat soluble A, water soluble B and water soluble C.



# Grow P.-W.'s Selected CABBAGE

**Danish Ball Head (Or Hollander) — Medium Stem Strain.** This is "Zwaan's Special Selection" from the famous Hollander strain. It is sure to head, vigorous, a wonderful producer, and in every way far superior to the usual commercial stocks. The large heads are nearly round, extremely solid and more compact in growth than the standard strain. Quite distinct. We consider this selection as the best of all Ball-Head types. Pkt., 10c; oz., 30c; ¼ lb., 85c; lb., \$3.00, postpaid.

Write for Quantity Prices.



Perfection Drumhead (Savoy)

## Chinese Cabbage

Cheap Green Feed for Poultry

The wonderful green for poultry which has been known to yield three tons in a space 40x60 feet. You can't beat this for **Cheap Green Feed**. A half pound Chinese Cabbage seed will furnish enough greens to feed about 1000 hens for 4 months and 3 pounds to an acre for 6,000 hens for 4 months. The cultivation is similar to that for winter cabbage, spinach or lettuce. Sow seed any time through the year in rows a half inch deep and 24 inches apart, allowing about 2 inches between the seeds. Cultivate and irrigate ground well. **Do not allow ground to dry out.** 1 oz. sows 100 ft. of row, 3 lbs. per acre.

**Pe-Tsai** Produces 5 to 7-pound heads in sixty days. It has large outside leaves with a yellow striped color and the inside leaves grow round, more like the Cos-lettuce. The heart is pure white, tender, sweet, and crisp. The young leaves are very popular for use in salad. It is hardy and will keep until early spring if placed in the cellar. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50, postpaid.

**Wong Bok** Heads are about six inches shorter than Pe-Tsai, averaging from nine to eleven inches. It is a particularly desirable variety with broad, tightly folded, well blanched heads. Juicy and agreeable pungent flavor. Price: Pkt., 10c; oz., 25c; ¼ lb., 65c; lb., \$2.00, postpaid.

Chinese Cabbage is a real "find" for poultry men, and a wholesome vegetable either cooked or raw for the table.



Danish Ball Head

## Savoy Cabbage

**Perfection Drumhead** This is the best of the Savoy types for general use. It is an excellent keeper. Heads are nearly round, about seven inches in diameter, full and hard, weighing from six to seven pounds. Leaves are large, coarsely crimped, dark bluish-green. Very popular on account of its tasty flavor which is sweeter and more delicate than ordinary cabbage. Matures in about 90 days from setting of plants. Price: Pkt., 10c; oz., 30c; ¼ lb., 90c; 1 lb., \$3.00, postpaid.

## Red Cabbage

**Mammoth Red Rock** This is the largest and best variety of red cabbage. Heads are round, extremely hard, color, a deep purplish-red, and an excellent keeper. The average diameter of heads is about six to eight inches and weight from seven to eight pounds. Matures in about 110 days from time plants are set. Price: Pkt., 10c; oz., 30c; ¼ lb., 90c; 1 lb., \$3.00, postpaid.



Pe-Tsai

Wong Bok



# CELERY - The Health Food Delicacy



P.-W.'s Golden Crisp

## Celery Plants

Ready May to July—Golden Crisp and Golden Self Blanching—Strong plants, 35c per doz.; 75c per 100, postpaid. Write for quantity prices.

## Celeriac (Turnip Rooted Celery)

**Culture**—Handled exactly like Celery described above, excepting that no blanching is necessary. Celeriac is grown for the root only, which, boiled until quite tender and served cold with a French dressing, is a most delicious salad.

**Giant Smooth Prague.** A very large and smooth variety. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.50, postpaid.

## Cress

Splendid for salad, garnishing. Sow seed one foot apart in open ground. Sow often for succession, as it soon runs to seed.

**Extra Curled or Pepper Grass**—The leaves of this small salad are much frilled or curled, and are used for garnishing. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c, postpaid.

**True Water**—The seed is usually sown and lightly covered in gravelly, mucky lands along the borders of small, rapid streams. The plants will need no subsequent culture, as under favorable conditions they increase very rapidly by self-sown seed and extension of the roots. Pkt., 10c; oz., 60c; ¼ lb., \$2.00, postpaid.

For early summer celery sow seeds of the self-blanching sort in flats under grass during latter part of February or early March. In May to June 15th, set the plants in very rich and well prepared land, six inches apart in the rows, three to four feet apart. Cultivate thoroughly and blanch out by boards set up against rows. For late and winter celery start seed in flats as for early or directly into open ground. Make the rows for plants one foot apart, sow seed shallow and firm well. The rows should be four to five feet apart. To blanch, earth up gradually to within a few inches of tips of leaves. For winter take up plants with roots, place upright on wet soil in a dark cellar or root house, and pack closely. One ounce will produce from 5,000 to 10,000 plants.

Celery contains Vitamins A, B, C, D, and necessary mineral salts.

## P.-W.'s Improved Golden Crisp The far-famed Utah Celery so much in demand.

This strain was originally developed by the Chinese gardeners. Its superior qualities gave them exclusive control of the celery market while their supply lasted. It is much stouter, thicker and heavier, with double the amount of heart of any known celery. The plant is beautiful in appearance, of close habit and compact growth, and blanches to a beautiful creamy-white. Ribs perfectly solid, crisp and of a delicious nutty flavor. Once sown, always grown. We supply only the reselected stock seed of P.-W.'s Improved Golden Crisp. Pkt. 20c; ¼ oz., 35c; oz., \$1.00; ¼ lb., \$3.50; lb., \$12.00, postpaid.

**Golden Self Blanching**—Of quick growth, easy and self-blanching character, combined with handsome appearance and crisp, sweet flavor. It is a good early Celery for home gardens and local markets. Pkt., 15c; oz., 75c; ¼ lb., \$2.50; lb., \$8.00, postpaid.

**Giant Pascal**—Large, thick, solid, round stalks. Pkt., 5c; oz., 25c; ¼ lb., 70c; lb., \$2.50, postpaid.

## P. W.'s Wonderful or Golden Plume (See Cut)

This new variety is rightly named "Wonderful." It is a decidedly distinct type, ten to twelve days earlier than Golden Self-Blanching and very much superior in eating quality. Plants are very large in size, short, stout, stocky and full of heart. It blanches easily to a beautiful, clear, creamy-white color. Vigorous grower, disease resistant. Plants grown under favorable conditions average about four pounds. It is decidedly a worth-while sort and no market or home gardener should fail in giving it a trial. Pkt., 10c; oz., 75c; ¼ lb., \$2.50; lb., \$8.00, postpaid.



P.-W.'s Wonderful Celery



# Pickles & Salads Use CUCUMBERS

Use Hotcaps for  
Early Market  
See page 71



P.-W.'s Klondike White Spine

**CULTURE**—The soil best adapted is a rich, warm moist loam. As soon as frost danger is over, sow seed in open ground in hills 4 to 5 feet each way. Seed should be sown thickly, one-half inch in depth and when well out of the ground thinned to three or four plants to the hill. Cucumbers should be gathered by cutting, not tearing, every day or at least every other day; leave none to ripen if you want a full crop, 1 oz. 75 hills; 2 to 3 lbs. per acre.

**The Black Diamond** "It Stays Green" — A handsome, early, medium sized, prolific variety used extensively in the South for shipping to Northern markets. Fruits weigh 1½ to 1½ pounds, symmetrical, nearly square ended. Length 8-9 inches; maturity 60 days. Very dark green, holds color and firmness well when shipped long distances. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.50, postpaid.

**Clark's Special** This new introduction is an outstanding variety for shippers and market gardeners. Holds its color and firmness when handled long distances. Fruits weigh 2¼ lbs., averaging 6½ inches in length and 2½ inches in diameter. Requires about 59 days from planting to picking. The color is a handsome dark green slightly deeper at both ends. Flesh crisp and firm. Remains edible a long time. Very few seeds. (See cut.) Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00, postpaid.

**Davis Perfect**—Medium early, extra long dark green type; retains its color and good qualities long after being picked; fruit long; smooth and tapering at both ends; flesh crisp, solid, with few seeds. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

**Early Fortune**—A quick grower, very productive and disease-resistant; fruits nine inches long, slightly tapering; flesh white, very firm and crisp, with very few seeds; color rich, dark green, which does not fade when shipped a long distance. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00, postpaid.

**Improved Long Green** Very vigorous and productive. Fruits long, often twelve to fifteen inches, uniformly slender, beautiful dark green. Some fruits appear early but bulk of crop rather late. Standard sort for slicing, largely used for pickling and making sweet pickles. Probably the most extensively used variety for home garden and market. The stock we offer is second to none. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00, postpaid.

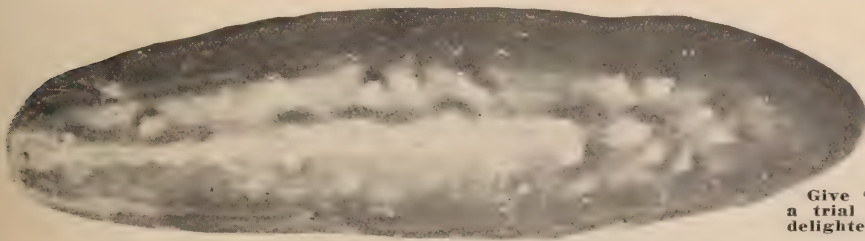
**P.-W.'s Klondike White Spine** After years of experimenting we have found this to be a reliable, all-purpose variety for market garden as well as the home garden. It is profitable, whether grown for early slicing or late pickling. Fruits are six to seven inches in length, green to the tip and ends, solid, crisp and of excellent flavor. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00, postpaid.

**P.-W.'s Longfellow Cucumber** Succeeds equally well in the garden or the greenhouse. Is a white spine type with an admixture of Emerald Blood, from which it gets its intense dark-green appearance. Vines are healthy, productive and fairly early. Fruits average 12 to 14 inches in length by 2½ inches in diameter and are very symmetrical. It retains its dark green color shipped to distant markets. Ideal for the private garden or as a "straight pack" variety for shipment, boxed to high grade markets. Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00, postpaid.

**West Indian Gherkin**—This is a native of Jamaica. It is quite distinct from Cucumber. It is used for very small pickles. Fruits are about two inches long, one inch in diameter, weighing about three to four ounces. Pale green covered with prickly spines, oval and uniform. Matures in 60 days from planting. Price: Pkt., 5c; oz., 20c; ¼ lb., 60c; lb., \$2.00, postpaid.

**Boston Pickling**—Very productive, extensively grown for pickles. Fruits are bright green, of medium size, very smooth and symmetrical—flesh crisp and tender. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c, postpaid.

**Garden Lemon**—Also known as Lemon cucumber, forming nearly round, smooth fruits. Tender and sweet flesh of melon flavor. Yellow with green markings when ripe. Makes fine preserves. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00, postpaid.



Clark's Special

Give "The Black Diamond" a trial this year—you'll be delighted.



# SWEET CORN for Roasting Ears



Early Mayflower

## Pop Corn

Same cultural directions as Sweet Corn

### Japanese Hulless Dwarf

**Rice**—Very tender and almost hullless. Ears short and chunky. Heavy yielder. We regard this as the coming commercial variety, no husk when popped. Pkt., 10c; lb., 20c, postpaid. Not prepaid, 10 lbs., \$1.50.

**Field Corn**—See Farm Seeds. (Page. 66.)

**CULTURE**—Plant about the middle of May, or as soon as the ground is dry (if planted too early corn is apt to rot) in hills three feet apart each way, seven or eight kernels to a hill; hoe often and draw dirt to the stems; thin to four stalks and break off side shoots. Use plenty of old, fine manure. For succession plant every two or three weeks until the last of July. In order to have well-filled ears with perfectly developed grains, it is very important that corn is planted in blocks of three rows or more and not in single rows, so that the pollination of the ears which is effected by the wind will be perfect.

**Golden Bantam** Very early, deliciously sweet, finest quality; ears small, golden-yellow; very productive. Pkt., 10c; lb., 35c; 3 lbs., 90c; 10 lbs., \$2.65, prepaid.

**P.-W.'s Golden Rod** (Bantam Evergreen)—Cross between Stowell's Evergreen and Golden Bantam. The plants grow six to seven feet high, ears eight to ten inches in length, filled to the very tips with twelve rows of deep, succulent kernels of a rich transparent, cream-yellow, tender, deliciously melting and "sweet as honey." This luscious "milk" stage quality is maintained for an unusually long time. It matures about 7 to 10 days later than Golden Bantam. Pkt., 10c; lb., 35c; 3 lbs., 90c; 10 lbs., \$2.65, prepaid.

**Country Gentleman** Grand old "stand-by" for main crop or for canning. It produces three to four ears to each stalk. The ears are seven to eight inches long, cob small and densely covered with long, slender white grains without row formation. Deliciously sweet and tender. Pkt., 10c; lb., 40c; 3 lbs., \$1.10; 10 lbs., \$3.00, prepaid.

**Early Mayflower** A splendid extra early white sweet-corn; is earlier than Mam. White Cory and apparently less apt to worm. Ears are pure white, sugary and larger than most other extra early varieties. Should become one of the leading market gardener sort. Pkt., 10c; lb., 35c; 3 lbs., 90c; 10 lbs., \$2.65, prepaid.

**P.-W.'s Portland Market** This is a new leading early corn and is the largest of all early varieties. Its immense size, together with its large, sweet, plump grains of purest white, on well filled ears, make it a ready seller on any market. The large ears, often a foot in length, mature very even, and owing to the thin husks the marketable ears are easy to detect. The stalks grow strong and vigorous, but rather dwarf. Matures about 10 to 14 days after Early Mayflower. Pkt., 10c; lb., 35c; 3 lbs., 90c; 10 lbs., \$2.65, prepaid.

**Stowell's Evergreen**—The standard main crop variety, much used for the home garden, market and canning. It is hardy and productive, very tender and sugary, remaining a long time in condition suitable for boiling. Our stock has been carefully grown and selected to avoid the tendency to a shorter grain and deterioration in the evergreen character of this best known of all late sorts. The ears about seven to eight inches long, fourteen to twenty rowed, with very white grain. The stalks are about seven and one-half feet high. Pkt., 10c; lb., 40c; 3 lbs., \$1.10; 10 lbs., \$3.00, prepaid.

## Other Good Sorts

**Davis County Excelsior**—Ears large, cobs small, and grains almost white. A heavy yielder; very sweet.

**Early Mammoth White Cory**—Stalks short; ears set quite low, of fair size. Very early.

**Early Minnesota**—Ears about 2 inches long; early; kernels broad, sweet and tender.

**Howling Mob**—One of the finest early, large eared sorts; very productive, white. A market gardener's favorite. Ears 9 to 10 inches long, 16 rowed.

**Price any of above**—Pkt., 10c; lb., 35c; 3 lbs., 90c; 10 lbs., \$2.65.

**Write for Quantity Prices on All Corn**



P.-W.'s Golden Rod



Golden Bantam



# Sugary Tender SWEET CORN

**P.-W.'s Golden Sunshine** This new introduction is a cross between Golden Bantam and that exceptionally early white corn, Portland Early Market. It is ready for market a week to ten days before Golden Bantam, in fact it will be off the market before that variety is ready. The plant is more dwarf and the ears closer to the ground. The ears are the same size as Bantam but 12-rowed instead of 8 of equally good color and with a high quality grain. Pkt., 10c; lb., 35c; 3 lbs., 90c; 10 lbs., \$2.65, postpaid.

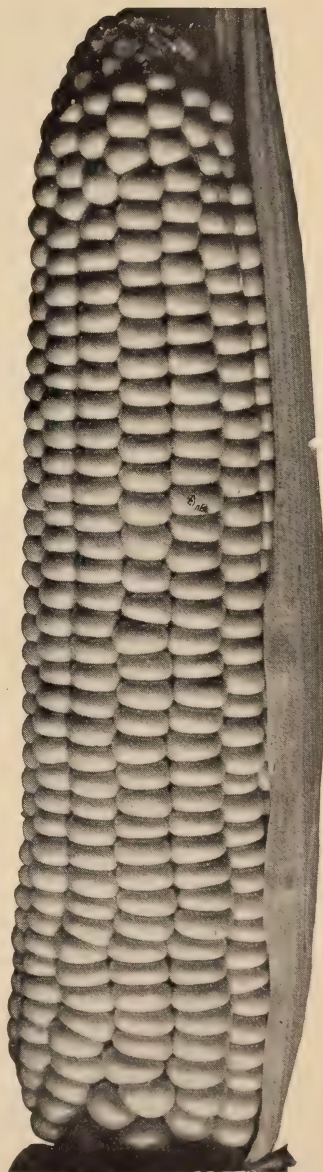
**Oregon Evergreen** A variety similar to Stowell's Evergreen except in date of maturity and the added time it remains in prime condition after being pulled. The productive plants are 6½ to 8 feet tall and bear large ears, having 16 to 18 rows of sweet kernels, generally compact and straight. The advantages of this corn over others are its earliness, its large size, and delicious flavor. Pkt., 10c; lb., 40c; 3 lbs., \$1.10; 10 lbs., \$2.65, postpaid.

## P.-W.'s Golden Early Market

This is really a companion variety for New Golden Sunshine. It is one of the best of the early yellow varieties for both home and market garden. The ears have strong husks eight to twelve rowed. Kernels golden yellow, medium size, tender, sweet, and of good flavor. It is a very prolific and good yielder for so early a variety. Our field records show this Corn to mature just slightly earlier than Golden Sunshine. Pkt., 10c; lb., 40c; 3 lbs., \$1.10; 10 lbs., \$2.65, postpaid.

## Whipple's Early White

A quality early white Sweet Corn. Plants grow 7 feet high. The attractive ears, measuring 8 to 9 inches long, average 16 to 20 rows of tender, sweet corn. Kernels are narrow, deep, wedge-shaped, and pearly white. High sugar content. Excellent quality. Ears are earlier than Howling Mob. Fine for either the market or home garden. Pkt., 10c; ½ lb., 25c; lb., 40c; 2 lbs., 70c; 5 lbs., \$1.45; 10 lbs., \$2.80, postpaid.



Oregon Evergreen



P.-W.'s Golden Early Market



P.-W.'s Portland Early Market

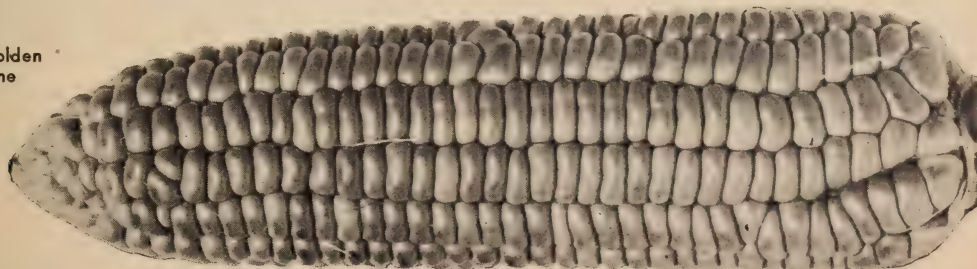
**You can have fresh Sweet Corn** throughout the summer and how good that flavor can be if picked just an hour before using. It's easy to arrange this at planting time. We suggest the selection below which may be planted at the same time and will keep you supplied with the finest Sweet Corn all summer.

**P.-W.'s Golden Early Market**—Extra early. First real quality corn.

**P.-W.'s Golden Rod**—Medium early. Always dependable.

**Oregon Evergreen**—Late. Best white variety.

P.-W.'s Golden Sunshine





# EGG PLANT

The seed germinates rather slowly, and it is well to start under glass, with moderately high temperature, in March. When all danger of frost is over, and the plants are strong, they should be transplanted carefully to the garden or field. Egg plant does not do as well where cool nights prevail, as in places where nights are warm. It needs a warm climate to insure quick and uninterrupted growth. One ounce, 1000 to 2000 plants.

**Black Beauty** Earliest and best of all large fruited Egg Plants. The grand, large fruits are thick and most attractive, rich, lustrous, purplish black. Intensely brilliant coloring is uniform over the whole fruit. Pkt., 5c; oz., 40c; ¼ lb., \$1.25; lb., \$4.25, postpaid.

**Plants**—Transplanted well grown plants of Black Beauty ready in May and June; 45c per doz., \$2.00 per 100, postpaid.



Black Beauty Egg Plant

## Endive

A salad vegetable which is becoming very valuable for winter use. Should be sown in June or July, in rows, and thinned to about six inches apart. One ounce 300 feet, 4 to 5 pounds per acre.

**Broad Leaved Batavian**—Broad, more or less twisted and waved green leaves with thick white mid-ribs. Unsurpassed for salads. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.20, postpaid.

**Green Curled**—Very curly. The mid-ribs being wide and whitish, with the outer edges very much indented and curled, forming a very attractive plant. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.20, postpaid.

**Garlic**—See page 24.

## Horse Raddish

Grow it in your own garden and grate fresh. Plant the sets small end down in rows 2 feet apart, about 18 inches apart in the row. Set slanting and covered about two or three inches. Price, 25c per doz., \$1.75 per 100, postpaid.

## Kale

A species of cabbage. The leaves are cooked as greens; not injured by frosts. Sow in September in the same manner as spinach. One pkt. for 100 feet, 2 pounds per acre.

**Dwarf Curled Scotch**—Grows very low and compact, with large, bright deep green leaves curled, cut and crimped, resembling somewhat a bunch of moss. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25, postpaid.

**Tall Green Early Scotch**—Very hardy, not injured by March frost. About 30 inches tall with many dark green leaves, intensely curled and cut, forming a very beautiful plant. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.



Kohl Rabi Ey White Vienna

## Kohl Rabi

The bulb is edible and when cooked tastes very much like the turnip. If the seed is sown early the young bulbs will be ready for use in the spring, and a planting in July will secure vegetables for fall use. The seed should be planted in the open garden and the young plants thinned to four to six inches.

**Early White Vienna**—Very early, small tops, light green; bulbs medium size, best quality.

**Early Purple Vienna**—Bright purple bulb, leaves and stems green tinged with purple.

**Any of above**—Pkt., 5c; oz., 20c; ¼ lb., 55c; lb., \$1.65. Not prepaid, lb., \$1.50; 10 lbs., \$14.00.



Dwarf Curled Scotch Kale

## Leek

Seed should be planted in June for good plants in the fall or winter. **Giant Musselburgh**—This is the best variety, having good thick stems which are also long, very vigorous and of a sweet mild flavor. Pkt., 5c; oz., 20c; ¼ lb., 65c; lb., \$2.25, postpaid.

## Mushrooms

Mushrooms may be grown by anyone having a supply of fresh manure and a shed or cellar, or under a greenhouse bench where a temperature of 50 to 60 degrees is evenly maintained. They make a most profitable crop when successfully grown, and the American market is the best in the world for this most delicious of foods. Full cultural directions with every order.

**Pure Culture Spawn**—Requires one brick, 35c; 5 bricks, \$1.50; 10 bricks, \$2.50, postpaid.

## Mustard

One ounce to fifty-foot row

Excellent greens of sharp, pungent flavor; cooked the same as spinach. Sow in drills early in the spring, and at frequent intervals throughout the summer.

**Giant Southern Curled**—Curled leaf, large.

**Ford Hook Fancy**—Beautiful dark green leaves.

**White English**—Leaves small and smooth.

**Any of above**—Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 65c, postpaid.

**Particular Planters Demand P.-W.'s Tested Mountain Grown Seeds in Reliable Trees. They're More Vigorous.**



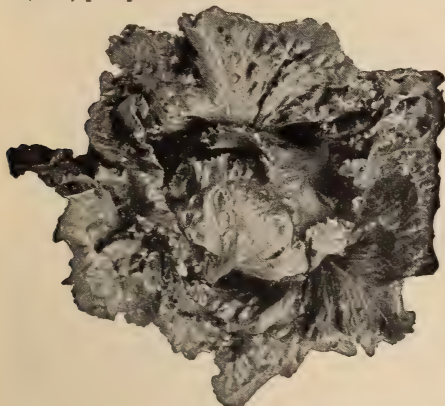
# The "Salad Stand-by" — LETTUCE

**CULTURE**—There is so great difference in localities in regard to culture of lettuce that it is hard to get a uniform rule. For the ordinary house garden, it is desirable to use one variety of each type, and several plantings should be made to secure succession. The seed should be planted in rows eighteen inches apart, as early as possible, and the young plants of cabbage head variety should be thinned until four inches apart. Varieties that do not head may be left quite thick, and when fairly well grown, those thinned out may be used. Nitrate of soda, or some nitrogenous fertilizer will pay if used after plants are set. A light, warm, rich, well watered soil is ideal as quick, rapid growth is essential to crispness and flavor. One ounce produces three thousand plants; for Head Lettuce sow  $1\frac{1}{2}$  to 2 pounds per acre; Loose Leaf varieties 3 to 4 pounds per acre.

## Cos or Romaine Lettuce

Sow seed early in spring in rich, well-prepared soil in rows eighteen inches apart, covering one-half inch deep. When plants have two or three leaves thin to three or four inches apart. As the plants begin to crowd, thin and use as required.

**Trianon**—The best of this type. Forms large, light green plant with head well folded, quite solid. The flavor is different from ordinary and esteemed by many. Tie plants to blanch them or plant closely, 5 inches apart. Pkt., 10c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25, postpaid.



Hanson

## Heading Types

Head lettuces are becoming more popular than the loose leaf types; but it is certainly worth while to grow both, making several plantings to insure continuous succession. The "New York" or "Los Angeles Market" is the favorite for market growing in the Mountain States and of course is equally valuable for the home garden. The "leaf" varieties are more easily grown and many consider the "Romaine" or "Cos" type to be the best of all in flavor.

**P.-W.'s N. Y. Lettuce No. 12** This new strain is a single plant selection from the regular New York or Los Angeles Market strain. It has required several years to develop, but it certainly is a great improvement over any existing type of "New York" Lettuce. It is much earlier, makes large, solid heads, uniform in maturing and of the flat head type. Without question this new strain will supplant all others when market growers become familiar with its merits. Price: Pkt., 10c; oz., 20c;  $\frac{1}{4}$  lb., 65c; lb., \$2.00, postpaid.

**P.-W.'s New White Boston Head Lettuce** A row of this variety adds a pleasing variation to the home garden, and equally valuable for market. The leaves are of fine texture, slightly crumpled and thin at margins. They are formed into a symmetrical rosette and have a delicate green color. The heads solid and compact, are just the right size for the ordinary family table. They are very firm and tender with a sweet buttery flavor, making a very delicious salad food. Pkt., 5c; oz., 20c;  $\frac{1}{4}$  lb., 55c; lb., \$1.75, postpaid.



P.-W.'s N. Y. Lettuce No. 12

## New York No. 5-B

This is a newly developed strain of the famous New York lettuce. It is larger than the No. 12, more resistant to heat, being free from tip burn. It produces immense heads, often sixteen inches across, free from bitterness and does not have any tendency to run to seed under hot trying conditions. Best of the types for summer growing. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.15; lb., \$3.50, postpaid.

**Deacon**—Has very few waste outside leaves, grows very solid and of delicious buttery flavor.

**P.-W.'s Extra Early**—The best smooth leaved butter head lettuce.

**Hanson**—It is wholly free from bitter taste, having a sweet and rich flavor. A perfect open air lettuce in all respects.

**May King**—Fine for forcing and outside, medium size yellowish-green heads, very early.

**Prices on any of above**—Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25, postpaid.

## Curled or Loose Leaved

**Black Seeded Simpson**—This is one of the best; leaves large, thin and exceedingly tender.

**Early Curled Simpson**—A popular early sort, forming a large, loose head.

**Grand Rapids**—The most popular variety for greenhouse planting.

**Prizehead**—Large, loose headed sort; leaves tinged with brown, very heavy.

**Prices on any of above**—Pkt., 5c; oz., 15c;  $\frac{1}{4}$  lb., 40c; lb., \$1.25, postpaid.

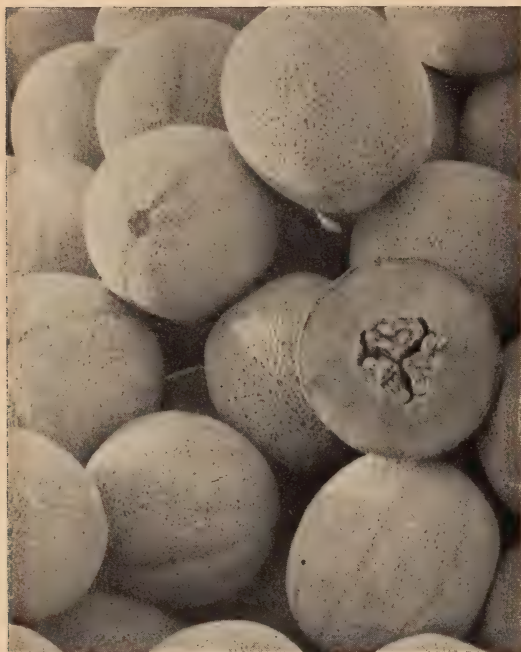
Write for quantity prices



Black Seeded Simpson Lettuce



# MUSKMELONS — Delicious Cantaloupes



Burrell's Improved Hales Best No. 36

## Casaba Melons

Cultivate same as other melons but do not water too freely after first setting of fruit is fully grown. Pick when the light streaks have become quite yellow and store so they do not touch each other, in a cool, dark place. When the rind becomes slightly softened and moist, they are ready to cut.

**Honey Dew (Improved Casaba)**—The outer skin is smooth and hard, nearly white, turning to a lemon tint when fully ripe. Melons weigh from six to ten pounds each, oval in shape, thick meated, very small seed cavity, flesh is light green, solid, honey-like flavor, luscious and juicy. Fruits may be laid away for use late in the fall. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.15, postpaid.



Golden Beauty Casaba

days. Size, 10-12 inches. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$1.75.

**Golden Beauty** — Fruits globular, bright yellow with golden tint, with wrinkled skin, six to eight inches in diameter. Flesh is white, very thick, juicy and sweet. Price same as Honey Dew.

**Persian**—It shows no trace of ribs completely netted, shape oblong, flesh thick, pink; large, weighing about 10 pounds. Edible in 102

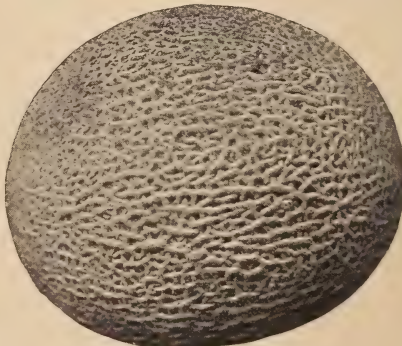
Melons thrive best in a light, rich soil. Plant early in May, when the ground has become warm, in hills five to six feet apart each way for muskmelons, eight feet for Casabas, and plant in each twelve to fifteen seeds; after all danger of bugs is over thin out to three or four plants per hill. A few hills for early use may be had by sowing on pieces of sod in a hotbed, and when warm enough, transplant to open ground. Melon vines are subject to the same destructive insect and fungus foes as are cucumbers and squash vines. Early and repeated spraying with arsenate of lead mixture is always advisable for these crops. (See Garden Pest Killers.) Seed required, one ounce 50 hills, two to three pounds per acre.

**Burrell's Improved Hales Best No. 36** A selection from the original strain of Hales Best. Same in earliness as the original. The melons run more uniform in size, slightly smaller, closely laced netting resembling Pollock 10-25. The suture is netted over but not so distinct as the original strain. No. 36 is the largest of the solidly netted Hales Best strain. Especially recommended for market gardeners. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25, postpaid.

**Burrell's Gem** (Salmon fleshed cantaloupe, extensively grown for market)—Equally good for the home garden. Similar in appearance to its parent, "Defender." It is easily crated, medium size, oval in shape, slightly ribbed, covered close with net. The flesh is firm, fine grained, rich, deep yellow; vigorous and productive. Crown set seed stock. Pkt., 5c; oz., 10c; ¼ lb., 35c; lb., \$1.00, postpaid.

**Hale's Best** A melon of decided merit in long distance shipping because of its earliness. Average period required—68 days, salmon flesh melon of exceptional thickness, shape oval, size 8x4½ inches heavily netted fairly prominent ribs. A very valuable market garden variety as it leads the list in earliness among the desirable types. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.00, postpaid.

**Heart of Gold (Improved Hoodo)**—Carefully selected to an oblong type, a little larger than the standard Rocky Ford, very uniform in size. It is a splendid shipping variety and is increasing in use. While it is a ribbed melon the ribs are not prominent and the melon is very heavily netted. The flesh is a rich orange color, fine grained and of excellent flavor. The seed cavity is small. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.



P.W.'s Orange Flesh or Super Perfecto

**Super Perfecto (Pink-Tint)**—New type of Rocky Ford, showing a trace of Burrell's Gem. The seed cavity is triangular and the flesh extremely thick, sweet and spicy. There are two strains, one salmon, other pink, but we believe the pink to be the better. Melons are almost round, heavily netted, no ribs, excellent shipper. Edible in 96 days. Average size, 6x5 inches. Weight 3 pounds. Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.00, postpaid.

## Other Good Muskmelons

We carry a stock of P.W.'s Gold Lined Rocky Ford and Pollock 10-25. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.10, postpaid.



# Luscious, Refreshing WATERMELONS



P.-W.'s Kleckley Sweet Watermelon

**CULTURE**—Plant the seed the middle of May in hills about 9 feet apart. Use five or six seeds to a hill and thin out to three plants as the second or third leaf shows. A farm crop two to four lbs. per acre. A good watermelon is one of the finest fruits on earth. On a hot day there is nothing like a fresh, juicy, sweet watermelon. Some watermelons are much sweeter than others.

Four ounces to 100 hills. 2-4 lbs. per Acre.

**P.-W.'s Pride of Muscatine** New wilt-resistant watermelon. This melon is especially valuable in sections infested with what is known as watermelon wilt, caused by a fungus organism. It has been quite prevalent in districts where large acreage of melons have been raised. This new development has proven to be entirely resistant to this disease. At maturity the melons resemble Kleckley Sweet—in fact, they are developments from this popular strain. Melons are long dark green, with brown seeds and red flesh, crisp and sweet. The rind is thicker than the Kleckley Sweet, making it superior for shipping. Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.35, postpaid.

**P.-W.'s Improved Kleckley Sweet** The best melon for home or near-by markets. There is no melon superior in quality to this strain of Kleckley Sweet. The bright scarlet flesh is the ideal of watermelon quality; firm, crisp, entirely free from stringiness or cotton and "sweet as sugar." The melon is oblong in shape, about twenty inches in length by ten or twelve inches in diameter. The skin is a rich dark green. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c, postpaid.

**P.-W.'s Klondike** A very popular new melon from the southwest. The seeds are black, while the flesh is a distinctive shade of deep red. The rind is dark green; the shape is long with an average weight of 25 pounds. While more a home garden than a market variety, it is adapted for shipping moderate distances. Though cylindrical in shape, the Klondike tapers slightly toward the blossom end. Edible in 82 days. Size averages 16x10 inches. It is a better shipper than most of the thin rind melons and is proving a favorite with the market gardeners in the Salt Lake valley. Pkt., 10c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.50, postpaid.

**P.-W.'s Stone Mountain** It does not carry more than half the seed of other varieties and rind is tough so it can be shipped to distant markets successfully. Not only early but large. Fruits weigh from 50 to 80 pounds and will ripen in 90 days from date of planting. In shape round, slightly flattened on the ends and slightly ribbed. The exterior is green with irregular, darker veining. The flesh is bright red, exceptionally solid, sweet, tender and juicy. Seed white. Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., \$1.00, postpaid.

Write for quantity prices on all melon seed.

## Winter Watermelon (King and Queen)

As the name indicates, this is a winter variety. The firmness of the flesh causes it to be the longest keeper of the watermelon family. Put into a cool place it will keep long into the winter without losing its delicious sweetness or exquisite flavor. Flesh is red and extremely firm, almost as hard as citron—very brittle and deliciously sweet. This melon is round shaped and the skin is very light green, almost white. It is a good drought resister and does well in almost any section of the west where melons of any sort can be grown. No garden should be without this exceptional variety. Pink seeds. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25, postpaid.

**Black Seeds** at same price. Specify which is desired when ordering.

## Other Good Varieties

We have stock of **Angelino, Chilian or Cannon Ball, Halbert Honey Irish Grey, Excel, Tom Watson**. Price—Pkt., 5c; oz., 15c; ¼ lb., 30c; 1 lb., 90c, postpaid.

By means of our Centerville seed trial grounds, we select the best. That's why particular planters demand **P.-W.'s Tested Seeds**. You may buy elsewhere for less, but you'll get less.



P.-W.'s Stone Mountain Watermelon



# ONIONS Wholesome, Health Producing Food

The onion is one of the most extensively used of all vegetables. It not only contains considerable nutriment and has valuable medicinal properties, but is most useful in counteracting the bad effects of sedentary life. The disagreeable odor it imparts to the breath may be avoided in a great measure by thorough cooking or by eating a few leaves of parsley. Sow in drills twelve to sixteen inches apart, sowing the seed thinly and cover thinly. If desired for transplanting, seeds may be sown broadcast, covering a

quarter of an inch deep and transplanted when size of straws. Onions prefer a deep friable loam, very heavily enriched, but no fresh manure; therefore, fertilize the year previous to sowing. Thin three to six inches apart in rows. While moisture-loving, much water is fatal and should never touch the plants after too old to pull for eating green. For keeping quality, always irrigate between the rows. One ounce 100 feet. 4-6 pounds per acre.

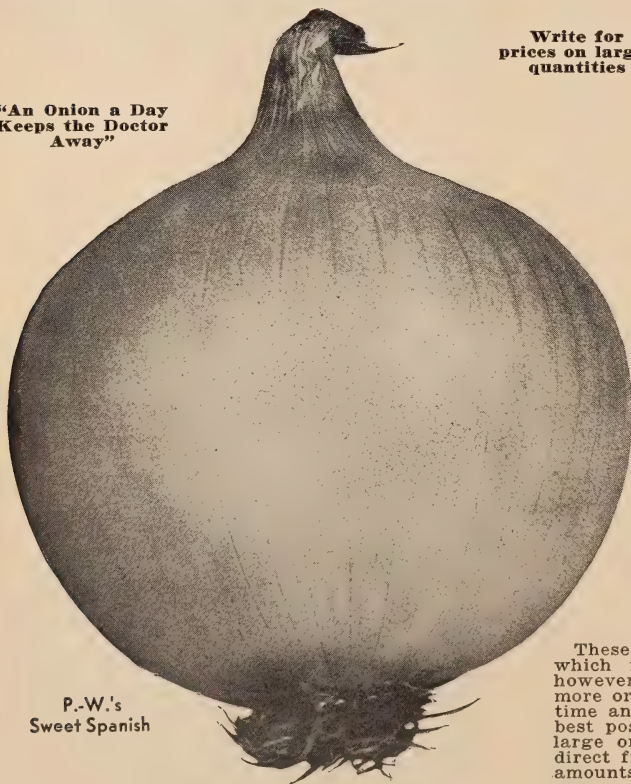
## P.-W.'s Sweet Spanish Genuine "Valencia" Type — Riverside

**Strain.** This giant, mild flavored onion was originally imported from Spain and this particular strain was developed by selection at Riverside, California. It is a big, globe-shaped, brownish yellow onion weighing from one to three pounds depending on how it is grown. It has an unusual sweet, mild flavor and in the Salt Lake Valley and sections of similar climatic conditions, if planted early, it can be thoroughly cured, insuring its good keeping and shipping qualities. On good soil this variety produces onions measuring from four and one-half to five and one-half inches in diameter. A yield of two thousand bushels per acre is not uncommon. In the ordinary method of planting here it requires three pounds of seed per acre when planted directly in the field. This is a most popular method in this section. The seed we offer has been grown from selected onion bulbs and we unhesitatingly recommend it as having no superior anywhere. Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., \$2.50, postpaid.

**Utah State Certified Seed of Valencia Sweet Spanish**  
\$3.25 per lb.

"An Onion a Day  
Keeps the Doctor  
Away"

Write for  
prices on larger  
quantities



P.-W.'s  
Sweet Spanish

or 6000 in a crate. We will be glad to supply any amount.

Prices by Parcel Post or Express, Prepaid

	100	1000	Crate of
Sweet Spanish .....	\$ .40	\$2.00	6000
White Bermuda (Straw color) .....	.30	1.75	\$7.50
Crystal White Wax .....	.30	1.75	7.00

Write for prices on large quantities to be shipped direct from grower.

**American Grown Prizetaker**—Very large, nearly round, light yellow. Flesh pure white in color. Pkt., 10c; oz., 25c; ¼ lb., 80c; lb., \$2.50, postpaid.

**P.-W.'s Yellow Globe** Medium size, solid and heavy. The skin is a beautiful yellow, tops ripen down close, necks small. One of the surest keepers grown. Flesh white, of mild and pleasant flavor. Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50, postpaid.

**P.-W.'s Yellow Bermuda** (Sometimes listed as White Bermuda.) Very early, medium sized, flat, short, for early market. Skin light straw colored, thin and loose. Flesh nearly white, coarse, sweet and mild. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25, postpaid.

**P.-W.'s Mountain Danvers** This is an exceptional strain of the Yellow Globe Type, originally developed in the high valleys of the Rocky Mountains. It is most probably a cross between the Early Flat Danver and Giant Gibraltar, producing a large, semi-globe shaped onion so well adapted to high altitudes and short season. In sections where the season is too short to produce Sweet Spanish Onions, this is surely a most profitable variety to grow. Yields of 600 bags per acre are very common. Bulb is large, slightly flattened, of a beautiful bronze color, splendid keeper. Price—Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50, postpaid.

**Australian Brown** Medium size, brown skin, white flesh. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25.

**Yellow Flat Danvers**—Flesh fine grained. Pkt., 5c; oz., 25c; ¼ lb., 75c; lb., \$2.25, postpaid.

**Red Wethersfield**—Well flattened, skin is a deep glossy, purplish red. Flesh white. Pkt., 10c; oz., 30c; ¼ lb., \$1.10; lb., \$3.25, postpaid.

**Southport Large Red Globe**—Globe-shaped, small neck, excellent keeper; deep purplish red. Pkt., 10c; oz., 40c; ¼ lb., \$1.30; lb., \$4.00, postpaid.

## Onion Plants

These plants are field grown, which makes them very hardy; however, all plants deteriorate more or less, and in order to save time and have them arrive in the best possible condition, we fill all large orders for a crate or more direct from the growers. For less amounts, we supply from stock we carry at Salt Lake City. These plants are put up 100 in a bunch



Onion Plants



# Leading Mild, White ONIONS

**Crystal White Wax** Popular Market Onion for the South and Southwest—Selected stock direct from the most critical grower on the Island of Teneriffe. Very large, white onion of the Bermuda type, a remarkably good shipper and an excellent keeper. The sweet, mild flavor and large size makes it a ready seller on any market. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 80c; lb., \$2.50, postpaid.

**P.-W.'s Southport White Globe** True globe form, pure white, hard and small neck, ripening very early and evenly. A splendid keeper. It grows to a large size, very solid and heavy, flesh purest white and fine grained, mild, delicate flavor, heavy yielder. Pkt., 10c; oz., 40c;  $\frac{1}{4}$  lb., \$1.30; lb., \$4.00, postpaid.

**Extra Early Barletta** Old - time favorite. From one inch to one and one-half inches in diameter. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 80c; lb., \$2.50, postpaid.

**P.-W.'s Peerless White** Best all purpose onion in the list. In our estimation this splendid new variety is the best bunching onion that has come under our observation. We especially recommend it to our market gardener customers who desire a bunching onion that will be marketable over an extended period. It holds its top longer than any other type and comes into market as early as the Pearl or White Queen. It is a true globe form, pure, white, solid, ripening evenly. It makes a splendid winter onion and it is a very good keeper. The mature onions grow to a good size, some average from  $7\frac{1}{2}$  to 9 inches in circumference. The flesh is white and fine grain and has a good flavor. Pkt., 10c; oz., 40c;  $\frac{1}{4}$  lb., \$1.30; lb., \$4.00, postpaid.

**Early White Queen** Highly recommended for pickling purposes. This variety is an exceedingly early one. The bulbs are small, very much flattened, silvery white, from  $1\frac{1}{4}$  to  $1\frac{3}{4}$  inches in diameter and about one inch thick. Pkt., 10c; oz., 25c;  $\frac{1}{4}$  lb., 80c; lb., \$2.50, postpaid.

**White Lisbon** For bunching. While it will make a good sized white bulb, it is grown instead of shallots and onion sets for what is known as table or green onions, for when young the white or candle part of the onion is pure white, long and slender. It has a good flavor, being mild and sweet. Home gardeners usually plant White Lisbon so as to have table onions all during the summer after those produced from sets are gone. Price—Pkt., 10c; oz., 30c;  $\frac{1}{4}$  lb., \$1.00; 1 lb., \$3.00.

Write for quantity prices



P.-W.'s Peerless White Onion

## Onion Storage Hints

It will not do to store onions in large piles or masses, particularly in warm weather, or if they are the least moist, but if perfectly dry when gathered and stored in crates, they can be kept in fine condition till spring. The best way is to keep them dry, giving bottom ventilation if possible, and at a uniform temperature of about 32° to 34° F.

**P.-W.'s White Sweet Spanish** This new type of onion is identical in shape and size and habits of growth to the P.-W.'s Sweet Spanish Onion, Valencia type. (See page 22.) The chief difference being the outer skin of the White Sweet Spanish is pure white while the other is a brownish yellow. Our observation of this onion at our own Trial Grounds, as well as experience of growers in the Salt Lake Valley, would indicate that it requires a slightly longer maturity season than the regular type of Sweet Spanish. It has the advantage of the beautiful white skin which makes it a more desirable onion for market. The flavor is unusually sweet and mild. In sections where it can properly be matured it is a good keeper and possesses excellent shipping qualities. The size of the bulb and the yield is just as large as the Yellow Sweet Spanish. Our seed strain has been more critically developed through long selection and we are sure no better seed can be found anywhere at any price. Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.25, postpaid. Write for quantity prices.

## Other Good White Onions

**Round Silver Skin (White Portugal)**—Very early, round; crisp, tender; excellent bunching or pickles.  
**White Welch**—Does not form bulb but produces very early bunch onions.

**Any of the above**—Pkt., 10c; oz., 35c;  $\frac{1}{4}$  lb., \$1.00; lb., \$3.00, postpaid. Not prepaid, lb., \$2.75; 10 lbs., \$25.00.

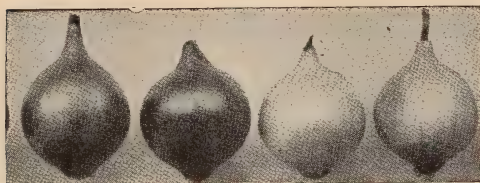
**Onions, cooked, contain water soluble C.**  
**Onions, raw, contain water soluble B and C.**



P.-W.'s White Sweet Spanish



# PARSNIPS-Wholesome, Palatable



Onion Sets

## Onion Sets

A great specialty with us. We produce several carloads at our own farm in Centerville. The remarkable firmness, soundness and regularity in size of our Mountain Grown sets has been a matter of comment wherever they have been compared with those from other sections. Having been grown in this high altitude, they will produce a crop earlier than sets from east or south and in half the time that it could be produced from seed.

**CULTURE**—Soil requirements are the same as with onion seed. Plant the sets three to four inches apart in the row, depending on the variety and twelve inches apart between the rows and two to three inches deep. It requires from 250 to 350 pounds for an acre.

**Brown Bottom Sets**—Lb., 20c; 3 lbs., 50c; 10 lbs., \$1.75, postpaid.

**Yellow Bottom Sets**—Lb., 20c; 3 lbs., 50c; 10 lbs., \$1.15, postpaid.

**White Bottom Sets**—Lb., 22c; 3 lbs., 60c; 10 lbs., \$1.85, postpaid.

Write for quantity prices

## Garlic Sets

Most pungent of the onion family. Lb., 35c; 5 lbs., \$1.35, postpaid.

## Okra (Gumbo)

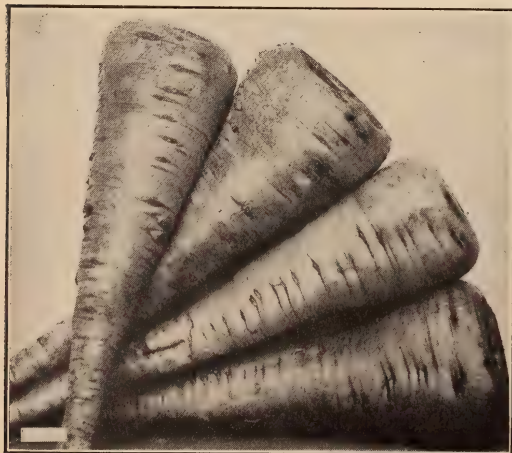
One Ounce Fifty Feet of Drill

Sow late in the spring after the ground has become warm, in drills three feet apart, and when plants are three inches high, thin out to from ten to twelve inches. They should be well manured. They can also be started in a hotbed and transplanted afterward. The young, green seed pods of this plant are used in soups, stews and served like asparagus.

**Dwarf Green**—Prolific and productive.

**White Velvet**—Pods are large, perfectly round and smooth and attractive; of superior flavor and tenderness. Plants comparatively dwarf, of compact branching growth. Best for all purposes.

**Either of above**—Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c, postpaid.



Geurnsey or Hollow Crown Parsnips

Parsnips are one of the most delicious of vegetables and have the great merit of being at their best after a freeze. It takes cold weather to bring out their sweetness. They may thus be harvested when the garden has little else to offer. Another great advantage is that they may be left in the ground all winter, and dug during thaws in the spring before they sprout, when they furnish the first crop of the new year. Do not use fresh manure in soil where parsnips are to be grown. It will cause the roots to divide. A deep, rich soil is best for them, and they must be thinned out and given plenty of room to develop. One ounce for 100 feet of row, 5 to 8 pounds per acre.

**Geurnsey or Hollow Crown** A variety with a hollow or cup-shaped top, where the leaf stem begins. The most popular and best variety for all purposes. Skin smooth and white and flesh tender, while the root grows eighteen to twenty inches long, the best part of it is contained in the first eight inches from the top. Our strain of Hollow Crown is the thick shouldered type particularly fine, smooth and regular. Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 90c, postpaid. Not prepaid, lb., 75c; 10 lbs., \$6.00.

**Parsnips**, contain fat soluble A and water soluble B.



Triple Curled Parsley

## Parsley

It is used for garnishing dishes of meat or cooked in soups. A few plants in a garden will yield sufficient for a family, providing the leaves are cut often and the plant not allowed to seed. Sow in drills as early in the spring as the soil can be dug in a fine, loose condition. It germinates best during cool, moist weather.

One Ounce 500 Plants

**Champion Moss Curled** A very finely curled bright green and very ornamental variety.

**Double Curled**—A curled variety very hardy and easy to grow, deep rich green and by many preferred to the extremely curled varieties.

**Triple Curled**—Extra curled very hard, deep rich green, very decorative.

**Any of above**, Pkt., 5c; oz., 10c; ¼ lb., 30c; 1 lb., 90c, postpaid.

No one can afford to risk seed of doubtful origin and quality when the prices of high grade Tested Stocks are so reasonable. By means of our Trial Ground we select only the best. Poor seeds would be costly even if they were given to you.



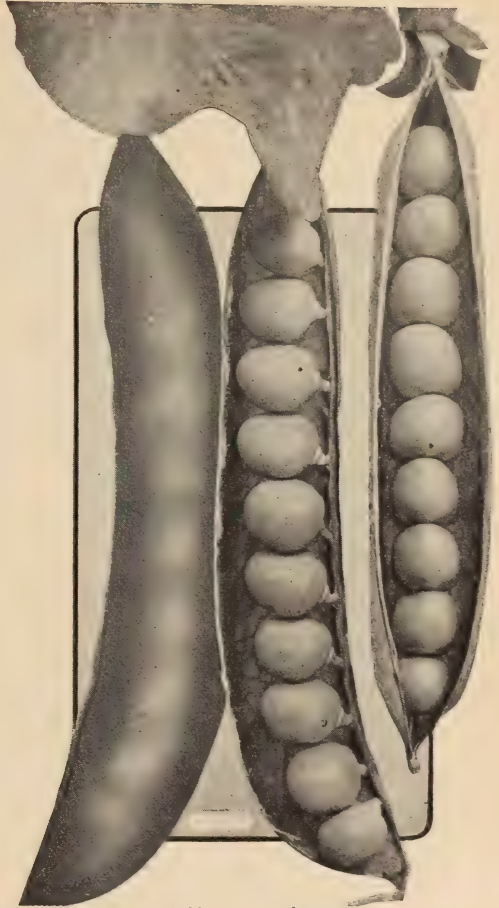
# Tender, Delicious, Green PEAS

**CULTURE**—Peas thrive best in rather light, sandy soil which is not too rich or they will run too much to vines and not bear heavily. Sow as soon as the ground can be worked, in single or double rows from one and one-half to three feet apart. The dwarf varieties can be planted in rows twelve to eighteen inches apart. By using the various classes of peas and by making several sowings of each, good peas may be had for a long season. In the garden, the pods should be kept picked as the vine will then continue to bear longer. One pound 100 feet of row, 100 pounds per acre.

**P.-W.'s Laxton Progress** is a true wrinkled sort. Trials show last year that green peas were ready for use three to four days earlier than P.-W.'s Laxtonian. Vines grow to an average of 15 inches, heavy dark colored foliage. Pods are large, pointed, very dark green color averaging  $4\frac{1}{2}$  inches in length. Peas remain tender and sweet for a long time after being picked from the vines. It has dwarf habit of growth, extreme earliness, attractive deep green color combined with the fact that it is a true wrinkled, large podded sort, will, without question, make this a leading market garden type for early use. Pkt., 10c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00, postpaid.

**P.-W.'s Improved Laxtonian or Hundred Fold** This is the largest podded of all early dwarf peas. A new sort of decided merit. The vines are vigorous, growing about 10 inches high and producing a large crop of good-sized pods, averaging from nine to ten peas to the pod, exquisite flavor and mature early. All the planters who have grown it say it is superior to either Gradus or Thomas Laxton. From our own observations, at trial grounds, we have no hesitancy in pronouncing this excellent variety to be the Best Extra Early Pea in the West for Market Growers. Pkt., 10c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00, postpaid.

**Inoculate Peas with McQueen's Inoculator for Increased Yield. See page 75**



P.-W.'s Improved Laxtonian

**P.-W.'s New Number 40** This is a development out of the Stratagem type, but is four or five days earlier. It is unequalled in pod size and exceptional in quality. Resistant to Fusarium Wilt. It has been bred particularly for shippers and market gardeners. Vines are dark green, stocky, and branching. Pods are round, dark green, plump, pointed, and curved at tip, containing eight to ten large succulent peas. Height of vine 26 inches, length of pod from five to six and one-half inches. Matures in 75 days from planting. Pkt., 10c; lb., 30c; 2 lbs., 55c; 5 lbs., \$1.10, postpaid.

**Mammoth Melting Sugar** The best known, edible-podded peas, reach a height of 6 to 7 ft. Pkt., 10c;  $\frac{1}{2}$  lb., 25c; lb., 45c; 2 lbs., 80c, postpaid.

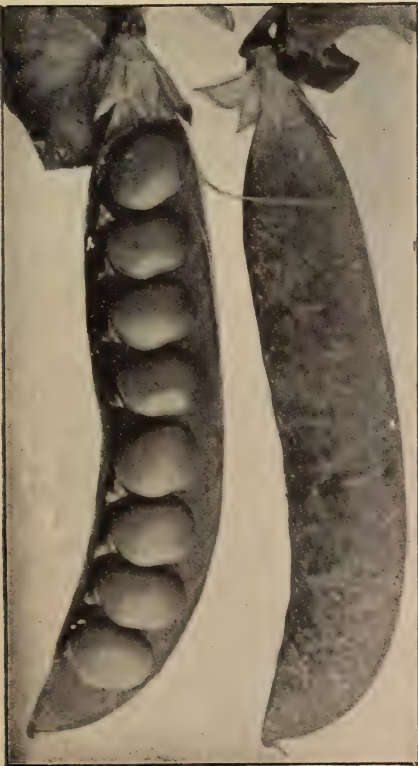
## Other Good Peas

**Extra Early Varieties**—Alaska Extra-Smooth, Gradus or Prosperity, and Thomas Laxton, **Worlds Record**.  
**Early Varieties**—American Wonder, Nott's Excelsior, Little Marvel, and P.-W.'s Dwarf Prize.  
**Price, any of above varieties**—pkt., 10c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00, postpaid.

## Main Crop Varieties

Alderman, Bliss Everbearing, Dwarf Telephone, Dwarf Defiance, Stratagem, and Yorkshire Hero.  
**Any of above**—Pkt., 10c; lb., 25c; 2 lbs., 45c; 5 lbs., \$1.00, postpaid.

For larger quantities please write for prices. Customers desiring their orders forwarded via freight or express at their own expense deduct 5c per lb. from the postpaid prices.



P.-W.'s Laxton's Progress



# PEPPERS For All Purposes

P.-W.'s Chinese  
Giant Pepper



**Giant Crimson**—About the size of Chinese Giant, similar in appearance; ripens earlier.

**Large Bell or Bull Nose**—Large, bright red.

**Long Red Cayenne**—Small, a bright scarlet, cone-shaped, pungent pods.

**Neapolitan**—Unusually mild and sweet, a bright red.

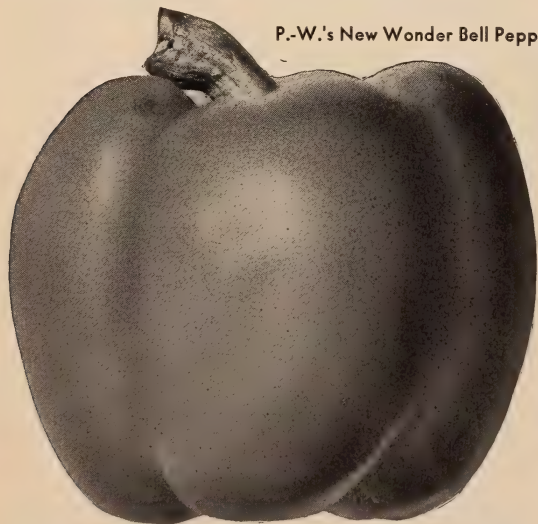
**Pimento**—The sweetest pepper grown, as it does not contain the slightest trace of fieriness, medium size and of a shape which is desirable for filling. It may be used in salads and for flavoring.

**Red Chili**—Small bright red, hot and pungent.

**Ruby King**—Fruits large, glossy red, very mild.

**Ruby Giant** A cross between Ruby King and Chinese Giant, ripens earlier.

**Any of the above not specially priced**—Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.10, postpaid.



P.-W.'s New Wonder Bell Pepper

Peppers do best in hot climates, but can be grown successfully in most places. They require very rich soil or the seed germinates slowly. They should be sown in hotbeds in March or April and in a warm, sheltered border in May. And when all danger of frost is over the young plants should be transplanted in rows two feet apart and eighteen inches in the row in good, rich ground. **One Ounce 500 Plants, Half Pound per Acre.**

**Anaheim Chili**—It will supplant entirely Old Mexican Chili. Very desirable for canning because of fleshiness and pungency. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.40, postpaid. Not prepaid, lb., \$4.25.

**P.-W.'s Chinese Giant Red** This is a very large, deep red variety, almost twice the size of either Ruby King or Bull Nose. It is four or five inches thick at the top and about six inches long. Fruits mature only slightly later than the Ruby King, flesh sweet and extremely mild. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.65; lb., \$6.00, postpaid.

**P.-W.'s Wonder Bell Pepper** We believe this pepper to be a great find, especially for the market gardener. Its beautiful appearance, regularity in size and shape, make it very desirable for shipping. The plants are of vigorous growth and covered with enormous peppers about 4 inches in length and about 3½ inches in diameter at the top, slightly tapering toward the bottom, mild and pleasant. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50; lb., \$5.25, postpaid.

**P.-W.'s New King Pepper** New, thick-shouldered variety, bred for size and uniformity. Fruits average three to four inches at base and five to five and one-half inches in length. Three lobed, tapered, smooth. Dark green, turning to bright deep red at maturity. A most desirable variety for early markets. Matures in sixty to eighty days from the setting of the plant. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.60; lb., \$5.50, postpaid.



P.-W.'s New King Pepper

## Pepper Plants

Strong, healthy transplanted plants ready in May and June of Chinese Giant and Ruby King varieties. Price—25c per doz.; \$1.00 per 100; \$7.50 per 1000.



# "The Mortgage Lifters" — POTATOES

The Seed Potatoes we send out will be not only strictly true to name, but hand-sorted, clean, healthy and vigorous.

For early potatoes, which mature in eight to ten weeks from planting, the soil must be particularly rich. A rich clover bed, manured and broken the year before and planted to corn, beans, peas, oats, etc., is in the best shape for giving a good yield of nice, clean potatoes. Stable manure had better be applied to the land the year before. Plant good sized pieces each containing no less than two or three eyes, fifteen inches apart for late ones. Requires 700 to 1200 pounds seed per acre.

**Change Your Seed**—There is a profit as well as satisfaction in planting our seed, for not only is it pure, but the additional yield to be secured from a change of seed fully pays for the seed, so that the investment itself is nothing.

**Idaho Russet** This splendid variety has become the leading main crop potato in this region. The tubers are elongated, shallow eyes, and covered uniformly with a thickly netted skin. Good yielder and excellent keeper; always commands the top price in the market. 10 lbs., 50c, not prepaid.

**Early Ohio** An old-time favorite; matures early, and the potatoes are fit for use before fully ripe. Most growers here consider it the most profitable early market variety. Red River Strain, grown on virgin. 10 lbs., 50c, not prepaid. 100 lbs., market price.



Idaho Russet

**P.-W.'s New White Gold** This is a real find for all market gardeners. It is without a peer for an extra early market variety. White Gold is at least two weeks earlier than Bliss Triumph, Irish Cobbler, or Early Ohio. It stands drouth better and at the same time gives a surprisingly good yield. As indicated by the name, this potato is white with a slightly netted skin, shallow eyes, and of uniformly good size. Its cooking and baking qualities are excellent and it keeps well in storage. Our stock is very limited. Order early to avoid disappointment. Price: 10 lbs., 60c, not prepaid.

**Early Bliss Triumph** The leading early potato of today, and is now supplying two-thirds of the markets with new potatoes for the early spring trade. There is a good reason why the Triumph should be popular. It is ten days earlier than the Early Ohio, and that is a big feature in favor of the farmer. It is not so liable to rot or scab. The tubers are nearly round, with red, smooth skin, and have shallow eyes. 10 lbs., 50c, not prepaid.

## Other Good Varieties

**Early Rose** (not prepaid)—10 lbs., 50c; 60 lbs., \$1.65.  
**Irish Cobbler** (not prepaid)—10 lbs., 50c; 60 lbs., \$1.65.  
**Rural New Yorker** (not prepaid)—10 lbs., 50c; 60 lbs., \$1.65.

**Write for Quantity Prices—Market Fluctuates Rapidly**

## Protect Your Crop from Disease

**Treat Potatoes with Semesan Bel.** One pound of Semesan Bel, when treating a fairly large quantity of seed potatoes, is sufficient for 16 to 20 bushels. If the potatoes are very dirty they should be washed thoroughly, drained and surface dried before treating to secure the most economical and effective disinfection. For each 10 quarts or 2½ gallons of water in the treating tub have ready one pound of Semesan Bel. Booklet giving full details mailed free.

P.-W.'s New White Gold

## Pumpkins

Plant in April or May, among corn or in the garden, in hills eight or ten feet apart, and otherwise treat in the same manner as melons. Three to four pounds per acre. One ounce to fifty hills.

**Common or Connecticut Field**—A productive, large, orange-colored field pumpkin, usually grown for stock feeding, but it also makes good pies. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00.

**King of Mammoth or Jumbo** This strain produces the biggest pumpkins grown, sometimes measuring six feet in circumference and weighing 200 to 250 pounds. Outside color deep orange-yellow, flesh very thick, fine grained, tender, of bright yellow color and excellent quality for pies and other uses. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25, postpaid.

**Kentucky Field**—Large, round-flat creamy yellow skin and flesh. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00, postpaid.

**Sugar Pie** A handsome and productive small pumpkin, ten to twelve inches in diameter; flat-round, skin orange. Flesh deep yellow of fine grain and very sweet. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., \$1.00, postpaid.

**Write for quantity prices**



Sugar Pie Pumpkin

Change Your Seed—Plant Porter-Walton's High Altitude Grown Potatoes



# RADISHES Crisp and Appetizing

1 oz., 50 ft. of row; 10 lbs. per acre

For the best results the soil should be light, well pulverized, rich and mellow to insure quick growing, supplying plenty of water. Radishes permitted to grow slowly become tough and pithy, light frosts will not kill young plants, but will check the growth and they do best when kept growing right along. For a succession sow every ten days.

There is no crop that will bring quicker returns for the market gardener.

**P.-W.'s New Glowing Ball** This is a new brilliant scarlet, perfectly round forcing radish. It has a small top, thread-like tap root and its bright fiery color will make it a most attractive market radish. Suitable for forcing or early bunching. Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 90c.

**P.-W.'s Bicolor Perfection** Red, White Tipped — A remarkably attractive variety. The white tip extends fully half way up the root, and the brilliant red of the top shows up in strong contrast. Excellent for market. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c, postpaid.



P.-W.'s New Scarlet Globe Radish

5 lbs. and over  
at 10-lb. rates;  
25 lbs. and over  
at 100-lb. rates.

We offer a limited stock of

## Strawberry Rhubarb

Attractive red variety — takes less sugar, excellent flavor — growing in popularity yearly. Both Seed and Roots. Same price as "Victoria."

**P.-W.'s Sparkler** The Leader for Market — Colored or is scarlet and white, extremely quick to mature, being ready for the table in 20 days from planting. Valuable for forcing under glass, as well as for the open. Skin very smooth, and its color gives it an appetizing appearance. Selected stock seed. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c, postpaid.

**French Breakfast**—Oval form, bright scarlet color, tipped with white. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c, postpaid.

**P.-W.'s Scarlet Turnip White Tipped**—Well known market variety. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c, postpaid.

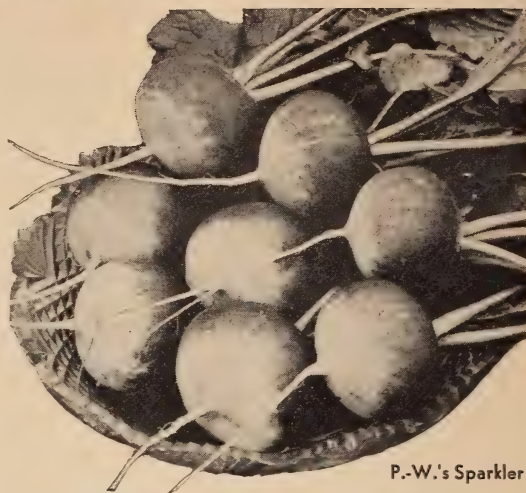
**P.-W.'s New Scarlet Globe** This superior strain is the result of individual plant selection. The roots of this variety are slightly olive shaped and are a rich, bright scarlet in color. The flesh is white and tender. The roots are fit to pull very early and remain a long time in prime condition. We specially recommend this to gardeners as a large, first early forcing radish. It is also desirable for first early planting outdoors for home garden and market. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c, postpaid.

## Radishes—Long Varieties

**Icicle** White, slender and tapering in shape. It quickly grows to market size, is crisp, brittle, mild and sweet.

**Long Scarlet Top**—Bright carmine.

Prices, any of above—Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 80c, postpaid. Write for prices on quantities.



P.-W.'s Sparkler

## Radishes—Winter Varieties

Seed for winter radishes should be sown about the first of August in rich, warm, sandy loam, in rows about twenty inches apart, covering half an inch deep. When well up thin to three inches apart in the row and give frequent cultivation. For winter use, the roots should be pulled and packed in damp sand and stored in a cool cellar.

**Chinese Rose**—Half-long, flesh pink, solid.

**Long Black Spanish**—Roots black. Round Black Spanish—Globe shaped.

**Celestial or White Chinese**—Pure white, firm.

Price, any of above—Pkt., 5c; oz., 10c; ¼ lb., 30c; lb., 85c, postpaid.

## Rhubarb

Sow the seed early one inch deep and when the plants are large enough, thin them to four or five inches apart. The next spring or fall transplant them three feet apart each way in deep, rich soil. For forcing, take up some large roots and place them in a dark corner of the cellar or greenhouse.

One ounce for 50 feet of drill, 8 to 10 pounds per acre.

**Victoria**—Very large and tender. The best variety to plant and the one most generally used. Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25, postpaid.

**Roots**—Mailing size, 2 or 3 eyes to each clump. Each, 15c; \$1.50 per doz., postpaid. By express or freight, 80c per doz.; 100, \$6.00.

## Salsify

Used the same as carrots; sometimes made into cakes and fried like oysters, which they resemble in flavor. Cultivate the same as carrots. Can remain in the ground all winter for early spring use, but should be taken up before it starts growing. Succeeds best in light, well-enriched, mellow soil. Sow early in the spring in drills 12 to 15 inches apart, 1 inch deep; thin to 6 inches.

**Mammoth Sandwich Island**—Grows to a very large size and resembles a good-sized parsnip. Mild and delicately flavored; very popular. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50, postpaid.

**Swiss Chard**—See page 9.

Write for quantity prices

Customers  
every-  
where  
attest the  
Superior  
Quality  
of P.-W.'s  
Tested  
Seeds



White Icicle Radishes



# The Great Health Food—SPINACH

For spring and summer use, sow early in drills, one foot apart and one inch deep, as soon as the ground can be worked; and every two weeks thereafter for a succession. For winter or early spring use, sow in September in well-manured ground, covering with straw on the approach of severe weather. It is hard to get the ground too rich. The stronger the ground the larger and more succulent will be the leaves. One ounce 100 feet, 10 to 12 pounds per acre.

## P.-W.'s Nobel Giant "Thick Leaved"

By far the best of the "smooth-leaved" sorts. It produces a large mass of rather smooth, very thick rounded leaves, of enormous size. Although it is a very quick grower it stands a long time before bolting to seed. Being a very shy seeder, it is impossible to grow the seed at the price of the old types. It is highly to be recommended for both the home and market garden. Because of the greater tonnage produced and the smoothness of the leaves which makes washing easy, this variety is also unequalled for canning. Seed round. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c, postpaid.

## P.-W.'s Improved Long Standing Bloomsdale Savoy-Leaved

Best for fall, but if sown very early in the spring will produce a good crop. This early, productive variety produces large, glossy, dark green leaves, crumpled or blistered, very thick and of great substance. This will be the most largely grown spinach on the market, as the tendency to bolt to seed in warm weather has been eliminated in this improved variety. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c, postpaid.

Spinach, contains fat soluble A and water soluble B. Write for quantity prices



P.-W.'s Improved Long Standing Bloomsdale Savoy-Leaved Spinach

## Turnips

For early use, sow as soon as the ground can be worked in the spring, in drills twelve to fifteen inches apart, and thin out to six to nine inches in the row. For succession, continue to sow every two weeks until June. For fall or winter crops sow in July or August. One ounce 100 feet, 2 pounds per acre.

**Purple Top White Globe** The Best Flavored and Largest for All Purposes. The flesh is firm, fine grained, white and of most excellent flavor. It is a fine keeper, extensively grown and pitted for fall and winter, and produces enormous crops. In our estimation it cannot be beat either for home or market planting. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c, postpaid.

**Extra Purple Top Milan**—Earliest turnip in cultivation; flat, smooth, of medium size, with bright purple top and few leaves. Adapted to spring or fall. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c, postpaid.

### Other Good Varieties

	Pkt.	oz.	¼ lb.	lb.		Pkt.	oz.	¼ lb.	lb.
Extra Early White Milan	5c	10c	25c	75c	Snowball	5c	10c	20c	60c
Early Purple Top Strap Leaf	5c	10c	20c	60c	White Egg	5c	10c	20c	60c
					White Flat Dutch	5c	10c	20c	60c

Write for prices on all items desired in larger quantities than herein quoted



King of Denmark Spinach

**King of Denmark**—The plants are of rapid growth, resemble the Long season in type but leaves are more crumpled or blistered and are of darker green color. The leaves are thick, stand well after cutting and are of good quality. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 60c, postpaid.

## Swedes or Rutabaga

Rows should be at least two and one-half feet apart and the plants thinned to eight to twelve inches. Roots frequently grow to be an enormous size. The roots should be taken up before severe frost. Cut off tops within an inch of the crown. Store in a cool cellar or pit. One ounce to 100 feet, 2-3 pounds per acre.

**Improved Purple Top**—Remarkable for uniform shape and fine quality; a splendid keeper. Skin smooth; a beautiful yellow color, fine grained. Very sweet and tender. Pkt., 5c; oz., 10c; ¼ lb., 20c; lb., 65c, postpaid.

**P.-W.'s Neckless Yellow Purple Top** — Improved strain of Rutabaga without neck, flesh yellow and fine grained, best of all the yellows. Pkt., 5c; oz., 10c; ¼ lb., 25c; lb., 75c, postpaid.

Rutabaga contains fat soluble B.

Poor Seeds  
Are Dear  
At Any Price



Purple Top Globe Turnip



# SQUASH and Vegetable Marrow



Cocozelle (Italian Veg. Marrow)

## Winter Varieties

**Banana**—Splendid new variety for fall and winter, dark green banana shape 20 to 25 inches long. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50, postpaid.

**Chicago Warty Hubbard** Attractive dark green, flesh dry and sweet. Very hard shell insures long keeping qualities. Considered by many an improvement on the old Hubbard. Pkt., 5c; oz., 15c; ¼ lb., 35c; lb., \$1.50, postpaid.

**Delicious**—In shape resembles the Hubbard; flesh very thick, deep orange color. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50, postpaid.

**Golden Delicious**—A canning variety larger than above. Skin golden-yellow. Same price as regular Delicious. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50, postpaid.

**Pike's Pear or Sibley**—Large oval fruits, skin in color; flesh golden-yellow, very best quality. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50, postpaid.

**Golden Hubbard**—Warty, golden color. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50, postpaid.

**Utah Giant Field**—Mammoth size; valuable for stock feeding. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50, postpaid.

Squash should be planted in warm, light, rich soil, after danger of frost is over. Plant in hills. The bush varieties two to three feet apart each way and the running kinds six to eight feet. One ounce 100 feet, 2 to 3 pounds per acre.

## Summer Varieties

**Cocozelle (Italian Vegetable Marrow)**—Fruits large, oblong shaped, dark green at first but as they mature become marbled with yellow and lighter green stripes. Fine grained, tender and of excellent flavor. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50, postpaid.

**Early White Bush (Patty Pan)**—Very early, fruit flat and scalloped, of cream-white color. Delicious flavor. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

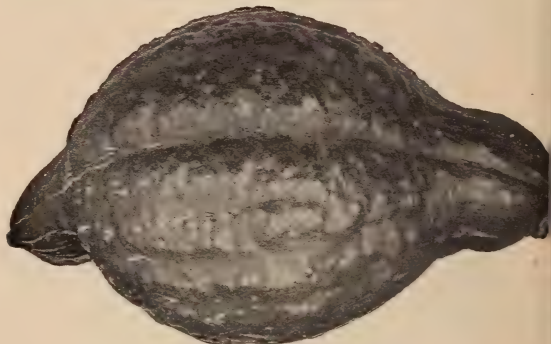
**Long White Vegetable Marrow**—Skin greenish-white; flesh white, soft and of rich flavor. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50.

**Table Queen (Acorn)**—This is trailing in habit; acorn shaped fruits, ribbed, smooth, thin shelled dark green, flesh light yellow, sweet flavored. An early maturing variety. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50, postpaid.

**Yellow Summer Crookneck**—Golden yellow thickly warty, brittle and tender. Pkt., 5c; oz., 10c; ¼ lb., 50c; lb., \$1.50, postpaid.

**Zucchini**—Similar to Cocozelle except color is light green with distinct grayish mottling. Prolific, bearing mildly flavored fruit. Pkt., 5c; oz., 15c; ¼ lb., 50c; lb., \$1.50, postpaid.

Write for quantity prices



Chicago Warty Hubbard

## Garden Huckleberry (Wonderberry)

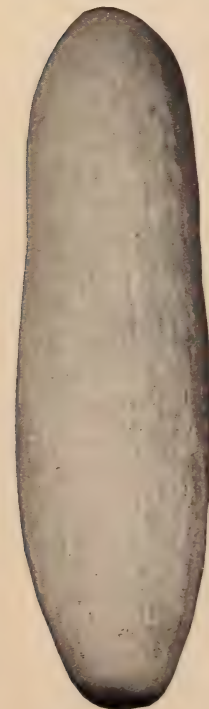
While classed as a fruit, it belongs in the same family as the tomato and eggplant, being grown and cultivated in the same manner. It is an annual and produces fruit from seed the first year; is very easily grown and succeeds in any good soil. The seed should be started in boxes or cold frames and set out the same as cabbage and tomatoes and yields great masses of rich fruit all Summer and Fall. The fruit is as large as a grape and jet black when ripe. It is fine for cooking, having a flavor like the Huckleberry and makes delicious pies, jellies, preserves, jams, etc. Pkt., 10c; ¼ oz., 30c.

## Aromatic, Medicinal and Pot Herbs

Sow as early as the ground can be made ready, in drills sixteen to eighteen inches apart, taking pains that the soil is fine and pressed firmly over the seed, or they may be planted as a second crop—the seeds sown in beds in April and the plants set out in June. Most of them should be cut when in bloom, wilted in the sun and thoroughly dried in the shade.

	Pkt.	Oz.
<b>Anise</b> —Seeds aromatic and carminative.....	5c	25c
<b>Caraway</b> —Used in flavoring liquors and bread.....	5c	15c
<b>Catnip</b> —Has medicinal qualities.....	5c	75c
<b>Coriander</b> —Seeds aromatic.....	5c	15c
<b>Dill</b> —Seeds used for flavoring vinegar.....	5c	20c
<b>Horehound</b> —Has medicinal qualities.....	5c	50c
<b>Lavender</b> —True. For oil and distillation of lavender water.....	5c	50c
<b>Marjoram</b> —Sweet. Used in seasoning.....	5c	75c
<b>Rosemary</b> —Yields an aromatic oil and water..	5c	75c
<b>Sage</b> —Common. A culinary herb; also used in medicine.....	5c	25c
<b>Savory</b> —Winter. Used as a culinary herb.....	5c	25c
<b>Thyme</b> —Broad-leaved English. Used as a seasoning.....	5c	75c

Garden Sage Plants—Field Grown, 25c each; \$2.50 per dozen.



Banana Squash



# TOMATOES

**CULTURE**—For early plants sow in hot beds or boxes early in March, in drills five inches apart, one-half inch deep. When the plants are about two inches high, transplant into another four inches apart each way. Plant out in the open ground as soon as danger from frost is over, four feet apart each way, in hills. Water freely at the time of transplanting. When the first fruit is set, pinch off the ends of the branches to attain early fruit. For late use sow in sheltered border in May and set out the plants in July. The green fruit can be picked off before late frost and ripened under glass. One ounce, 1,000 plants, two ounces per acre.

## P.-W.'s "King of Earlies"

New blood-red tomato. Very distinct. Not quite as large as the Red Rock but two weeks earlier, ripening about two days after the Earliana, and very much more productive. Twenty days ahead of either Stone or Greater Baltimore. The vine is short-stemmed, unusually healthy and produces very solid, smooth, meaty and most attractive fruit which is round at the bottom, quite free from cracks, with very little cavity at the stem end. It is similar in appearance to Chalk's Jewel but is five days earlier, considerably larger fruited, far more productive, picking over a longer period, better color and more solid. It will prove a leader in every section where an early tomato is desired. (70.) Pkt., 10c; oz., 35c; ¼ lb., \$1.00; lb., \$3.50.

## New Norton Wilt Resistant

This wilt resistant variety—similar to Stone—was introduced by the U. S. Department of Agriculture. Vines make a medium heavy growth and are very productive. Fruits large, flat, and globe shaped, deep cardinal red; solid and of excellent quality. Good for canning and one of the best long distance shippers. (88.) Pkt., 10c; oz., 40c; ¼ lb., \$1.20; lb., \$4.00.

(Numbers in "( )" indicate days required from setting plants to marketable fruits.)



P.-W.'s Wilt Resistant Marglobe

## OTHER GOOD TOMATOES

### Early Varieties

	Pkt. Oz.	¼ lb.	lb.
Avon—Extra early, scarlet. (68).....	5c	\$35	\$1.00 \$3.50
Bonny Best—Solid, bright scarlet. (74).....	5c	30	.90 3.00
Clark's Early—Medium large, scarlet. (72).....	5c	35	1.00 3.50
Earliana—Medium, bright red. (72).....	5c	30	1.00 3.50
John Baer—Firm, bright red (70).....	5c	30	1.00 3.50

### Main Crop Varieties

Greater Baltimore—Large, red. (82).....	5c	30	1.00 3.50
Livingstone Beauty—Large, pink. (84).....	5c	30	1.00 3.50
New Stone—Large, smooth, scarlet-red. (86).....	5c	25	.75 2.50
Ponderosa—Large, purplish-pink. (88).....	5c	50	1.50 4.50
San Jose Canning—Large, bril. scarlet. (86).....	5c	30	1.00 3.50

### Small Fruited Varieties

Red Cherry—Small, rich scarlet. (73).....	5c	40	1.25 ...
Strawberry, Ground Cherry or Husk—			
Fruits small, round, yellow. (86).....	5c	40	1.25 ...
Yellow Pear—Small, yellow, pear-shaped. (73).....	5c	40	1.25 ...

## Marglobe P.-W.'s Wilt Resistant.

A wilt resistant, globe-shaped red tomato, desirable wherever a red tomato of superior quality is desired. The fruits are quite large, averaging 7½ ounces in weight, and are nearly perfect globe-shaped with but little depression at the stem end. They show very little tendency to crack but ripen up perfectly. They are a deep scarlet in color and present a very attractive appearance. The flesh is firm, thick, of first quality, and is only mildly acid. A superior canning tomato. (83.) Pkt., 10c; oz., 45c; ¼ lb., \$1.50; lb., \$4.50.

## P.-W.'s Sunnybrook Earliana

This is a selection from Burpee's Sunnybrook Earliana, which has been recognized as one of the earliest of the red tomatoes. Trial ground tests show it to be very close to Avon in general appearance and earliness. All of the fruits on the entire crop are ripe about the same time and entire crop can be gathered within a period of two to three weeks. This is a decided advantage for the early Market Gardener as advantage can be taken on higher prices before the second earlies are on the market. (68.) Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.20; lb., \$4.00.



New Norton Wilt Resistant





Annual Flowers Lend Beauty to Shrub Borders

# All the Best Annual Flowers for This Year's Garden

## How to Grow from Seed

All annual flowers are easily and most successfully grown from seed and offer a large field for selection. No matter for what purpose you may want flowers—for cutting, for garden beds, for color, or for foliage effect—you will find ample material among them from which to select. In buying flower seeds it is a matter of greatest importance to you to know that the seeds you are getting have been produced from the best plants—those bearing the finest flowers. It is only through great care in breeding, constant and most careful re-selection, that plants and flowers are brought up to and kept at a high standard of perfection.

Our aim is to secure the very best obtainable, both of home and foreign growth, adaptable to our intermountain region. And we have spared neither pains nor expense with this object in view.

## Sowing of Annuals

All annuals can be sown in the garden in this vicinity in April and May when the ground is warm either in a seed-bed or directly in the spaces where they are to grow. There are some annuals, such as Poppies, Eschscholtzia, Mignonette, Centaurea, and the like, which on account of lack of fibrous roots, cannot be transplanted without a great set-back to the plant. These should be sown, either broadcast or in rows, in the location desired. Most of the annual flowers, however, benefit by being transplanted, as it develops for them a better root-system. These are better started in a coldframe or a specially prepared seed-bed of rich soil, deeply dug and finely sifted on top. Sow the seed in shallow drills or in squares of a convenient size, partitioned off with laths. Most flower seeds are small and can only be covered with about  $\frac{1}{4}$  inch of soil; the very fine seeds are simply pressed into the soil. Water carefully through a fine nozzle so as not to wash the seed out and keep the soil moist constantly.

## Starting Seeds Indoors

Many annuals, such as Snapdragons, Stocks, Asters, All our Flower Seeds are delivered anywhere in the United States. Our pkts. contain a liberal quantity of seed.

## Aids In Selecting Annual Flower Seeds for Special Purposes

**Backgrounds and Borders (Large Showy Annuals)**—Arctotis Grandis, Marigold (tall), Amaranthus, Poppy (tall), Celosia Plumosa, Ricinus, Clarkia, Salvia, Cosmos, Sunflower, Larkspur, Zinnia.

**Dwarf Sorts**—Alyssum (Hardy), Godetia, Agapanthus, Dianthus, Candytuft (Hardy), Myosotis, Pansy, Carnation, Pinks.

**Cutting**—Acroclinium, Mignonette, Antirrhinum, Nasturtium, Aster, Pansy, Calendula, Phlox, Calliopsis, Poppy, Carnation, Centaurea, Scabiosa, Chrysanthemum, Salpiglossis, Cosmos, Stocks, Dahlia, Sweet Peas, Dianthus, Sweet Sultan, Eschscholtzia, Verbena, Larkspur, Wallflower, Marigold, Zinnia, Matricaria.

**Beds and Massing**—Alyssum, Eschscholtzia, Ageratum, Gaillardia, Antirrhinum, Lobelia Comp., Aster, Marigold, Balsam, Nasturtium, Dwarf, Calendula, Pansy, Calliopsis, Petunia, Candytuft, Phlox Drum, Carnation, Poppy, Celosia, Portulaca, Chrys-

Begonias, Carnations, Celosia, Cosmos, Cobaea, Dahlias, Dianthus, Heliotrope, Lobelia, Pansies, Myosotis, Petunias, Phlox, Salpiglossis, Salvia, Vinca, Verbena, if sown outside do not bloom until quite late in the summer, but you can have them early if you sow the seed in the hotbed. Early in March is about the best time to sow, except for Lobelias, Begonias, and Stocks, which can be started as early as February. Sow either directly in the hotbed in shallow drills or in pens or boxes. Special seed-boxes are usually 3 inches high, 12 inches wide, by 24 inches long. The soil should be light, finely sifted, and well watered before sowing. Scatter seeds evenly, but not too thinly. Even here it is to be remembered that in "union there is strength," for the fine seeds especially, when sown too thin, very often have not the strength singly to break through the soil. After sowing press the soil down with a flat board and cover the boxes or pans with newspaper to prevent too rapid evaporation. This covering must be removed as soon as the seedlings are up. Always water through a fine nozzle, and only when necessary, with tepid water and as much as possible in the forenoon or midday on bright sunny days, for if the soil is too wet over night, the small seedlings will become chilled and damp or rot off.

## Transplanting

When seedlings have four leaves, transplant in similar boxes 1 inch apart or singly into small pots (paper pots are excellent for this purpose and quite inexpensive) shifting into larger ones if necessary. The earliness of starting the seeds will govern the amount and need for transplanting. Ventilate more or less according to the weather and gradually harden the plants, preparatory to setting them out when all danger of frost is past and the soil is warm. Cultivate frequently; hoe your beds often; and stimulate plant growth by applying a top dressing of fertilizer to the soil at frequent intervals. This will keep up a steady, vigorous, healthy growth. Keep seed-pods removed; never allow withered flowers to remain on the plants if you want them to bloom right through the season.

anthemum, Calvia Spien, Convolvulus Minor, Stocks, Verbena, Dahlia, Zinnia, Dianthus.

**Edging Walks, Etc.**—Ageratum, Marigold (Dwarf), Alyssum, Myosotis, Asters (Dwarf), Phlox (Dwarf), Candytuft, Pinks (Chinese), Dusty Miller (Centaurea), Nasturtium (Dwarf), Zinnia (Dwarf), Lobelia Comp.

**Foliage Plants**—Amaranthus, Kochia, Canna, Marvel of Peru, Coleus, Ricinus.

**Plants Suitable for Pots** (That may be grown from seeds)—Ageratum Cyclamen, Antirrhinum (Dwarf), Heliotrope, Mignonette, Asters (Dwarf), Nasturtium (Dwarf), Begonias, Carnation, Petunia, Cineraria, Primroses, Coleus, Stocks.

**Partly Shady Places**—Antirrhinum, Schizanthus, Begonia, Tuber, Pansy, Lace Flower.

**Drooping Plants for Vases, Hanging Baskets, Veranda Boxes, etc.**—Alyssum, Nasturtium, Lobelia, Petunia, Browallia.



# NEW COSMOS KLONDYKE ORANGE FLARE

Gold Medal Winner 1935. Grand Champion.

(Bodger.) Now at last a lovely orange colored Cosmos flowering before frost. In most parts of the country Cosmos are practically unknown because of its late flowering habit. In Orange Flare, we have an early flowering strain which may be enjoyed by all. The color is the same vivid orange of the ordinary Klondyke, with attractive light green foliage. Every one will want this beautiful novelty in the Garden this year. Pkt., 25c; 3 pkts., 60c.



New Cosmos Klondyke Orange Flare

## A NEW RACE OF LARKSPURS GIANT IMPERIAL

**Los Angeles (Improved Giant Imperial)** — It is an excellent cut flower, particularly lovely under artificial light. Color is rich salmon ground, overlaid with brilliant pleasing rose. Pkt., 20c; ¼ oz., 50c.

### OTHER NEW VARIETIES

**Blue Bell**—Fine clear blue.

**Carmine King**—Deep carmine rose.

**Daintiness**—Delicate lavender.

**Exquisite Rose**—Rose pink.

**Lilac Spire**—Lilac.

**Peachblossom**—Light pink.

**White Spire**—Dazzling pure white.

**Giant Imperial Mixed**—The above and others.

**Price**—Any of the above. Pkt., 15c; any 3 pkts., for 40c; ¼ oz., 35c.

## Nasturtium — “Golden Gleam”

New Double Sweet Scented

**The Most Talked of Novelty in Recent yrs.** Entire plant, including the runners, is a blaze of color. The large, double, sweet-scented golden-yellow flowers average two and one-half to three inches across. They are borne on erect, stiff stems six inches in length. Pkt., 10c; oz., 25c; ¼ lb., 75c.

Nasturtium  
Double “Golden Gleam”



“Los Angeles” (Giant Imperial Larkspur)





## GUINEA GOLD MARIGOLD

The plant is graceful, of pyramidal habit, growing 2 to 2½ feet high, and producing 30 to 40 flowers, 2 to 2½ inches across, of a brilliant shade of orange flushed with gold. Pkt., 15c; ½ oz., 35c; ¼ oz., 60c.

**Zinnia Tom Thumb Mixture** Without exception the dwarfest zinnia known. The plants are rounded and compact, 4 to 6 inches high, literally covered with well formed flowers of the Lilliput type. The color range includes red, orange, yellow, pink, rose and other pastel shades. Pkt., 20c; 3 pkts., 50c.

## NEW DESERT GOLD ZINNIA

You will enjoy this fascinating new zinnia. The yellow and gold shades are most attractive, containing the light and deep hues of gold, each petal overlaid at the base with a deeper golden yellow, giving a charming bi-color combination. Those who appreciate the finest in zinnias will welcome Desert Gold. Pkt., 20c; 3 pkts., 50c.

**NOVELTY COLLECTION NO. 58**  
One packet each of the five novelty flowers offered on this page. **75c**  
(Retail value, postpaid, \$1.15)



## DOUBLE GLEAM HYBRIDS NASTURTIIUM

These Hybrids are gorgeously colored, large, well formed flowers of dazzling beauty. Colors certainly never dreamed of before in a double nasturtium abound in profusion—glorious flowers of salmon, golden yellow, orange scarlet, cerise, cream yellow, orange, crimson, and gold flushed scarlet combine with the foliage of fresh green. Same habits of growth and blooming qualities as Golden and Scarlet Gleam. Pkt., 25c.

**Double Scarlet Gleam (Bodger)**—Those who have seen Scarlet Gleam growing, enthusiastically proclaim it even more intensely dazzling in color than the showy Golden Gleam. The flowers are fiery orange-scarlet, very double, immense size, almost three inches across, much larger than any Nasturtium ever known and delightfully fragrant.

The plants are semi-dwarf, throwing short runners from a well-rounded free-flowering bush, with long wiry stems bearing the numerous flowers well above the foliage, which gives the effect of a solid mass of color. Price, pkt., 35c; 3 pkts., 90c.





# Novelties, Specialties in Annuals

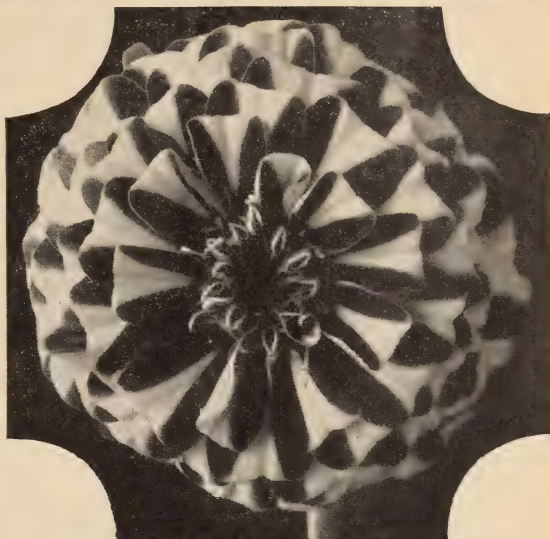
## Clarkia Elegans Double Enchantress

The ever increasing demand for the so-called "old-fashioned" type of flower has brought the Clarkias into their own as never before. Within the past four or five seasons there have evolved an unprecedented number of new colors in this old favorite. One of the finest of these varieties is Enchantress, light orange shading to pink, a delightful color which is sure to become a great favorite. The flowers are double and well placed on the long stems. Pkt., 15c; 1/8 oz., 30c.

## Dianthus Laciniatus Splendens

Free flowering and easily grown, the Dianthus family has for years furnished us with some of our most popular border subjects. One of the most recent additions to this family is the sterling novelty Laciniatus Splendens, a variety which, in our opinion, is the most striking Dianthus we have ever offered. The flowers are very large, over two inches across, in a brilliant shade of crimson, with a large boldly contrasting glistening white eye. Pkt., 15c; 1/8 oz., 35c.

**Red Aster "Sensation"** This is the reddest of all red Asters, the color being a rich garnet or ox-blood red which glistens in the sunshine like a live coal. The plants are of free-branching habit, and about 18 inches high. The very double flowers, averaging 3 1/2 inches across, are borne freely on stems a foot long from early in August till the close of September. Pkt., 15c; 1/8 oz., 45c.



Marigold French Tall Double Royal Scot

## Marigold Royal Scot (New Double French.)

This marigold is the most striking yet introduced; the large well formed double flowers are produced in abundance on plants from 24 to 30 inches in height. The color is a charming combination of mahogany and gold in symmetrical stripes which radiate from the center of the flower. We feel confident that Royal Scot will be welcomed by florists and home gardeners alike. Pkt., 15c; 1/8 oz., 40c.

## New African Marigolds

**Orange Alldouble**—Any strain of African Marigold that will come fifty per cent or more double is very good. Alldouble, identical in every respect to Orange Prince, has come almost one hundred per cent double. Pkt., 15c; 1/8 oz., 30c.

**Lemon Alldouble**—Identical to Orange Alldouble excepting in color which is clear lemon yellow. Pkt., 15c; 1/8 oz., 30c.



Super Giant Aster—"Los Angeles"

## New Super Giant Aster—"Los Angeles"

A new Aster which promises to supersede all other strains for cut flower use. Same general habit as the older type "Giants of California," but earlier and much larger, hence the name, **Super Giant**. Color, **pure shell pink**, heretofore entirely lacking in the Giants of California. The stems are strong and unusually long, while no disbudding is necessary due to the non-lateral habit. Price: Pkt., 25c; 1/8 oz., 85c.

## Giant Mammoth Peony Flowered

The flowers are immense, very double, borne on long, stout stems, free from laterals. Splendid for cutting, as they keep longer than any other variety.

**Azure Fairy**—Clear azure blue. **Maiden's Blush**—Delicate flesh. **Silver Rose**—Lavender pink, tipped white. **Peach Blossom**. **Swan's Down**—Pure white. **Mixed Colors**.

Any of above, pkt., 20c; 1/8 oz., 65c.

## Wilt Resistant Varieties of Asters

Aster growers have been troubled with pests of recent years. This family has been widely attacked by the Fusarium Wilt, which condition has been overcome in growing the Wilt Resistant Strains which, although grown in infected soil, proved immune from the disease.

**CREGO**

**EARLY BEAUTY**

White pink, Deep rose, Each of the above, pkt., 15c; 1/8 oz., 50c.

Crimson, Light blue.

White, Crimson,

Lavender, Rose.

New Peony Flowered Aster "Silver Rose"

See next page for Gen'l List of Asters





# ASTERS—the Queen of Annuals

During the late summer and early fall the garden is usually a riot of reds and yellows, so the Asters in their dainty and distinct colors as well as their many attractive forms are a pleasing addition. The long stems make them desirable for cut flowers and the blooms last long in water. It should be remembered, however, in regard to Asters that good culture is essential in order to obtain an abundance of fine flowers.



California Giant

**California Giant** A splendid new mid-season to late flowering strain, the result of years of painstaking selecting by one of California's leading hybridizers; plants grow 3 to 3½ feet high with long, strong stems 18 to 24 inches in length bearing beautifully formed curled and interlaced flowers 5 inches and over across. We offer the following colors:

Light Blue, Peach Blossom, Pure White, Purple, Rose and Mixed.

Any of the above—Pkt., 15c; ¼ oz., 40c.

**Early Beauty** Similar in type of flower and growth to the Giant Branching Asters, but blossoms are produced on much longer and heavier stems. The flowers are fully double.

White, Carmine-Rose, Purple, Lavender, Crimson, September Beauty, Rose-Pink, and Mixed.

Each of the above, pkt., 15c; any 3 pkts. for 35c; ¼ oz., 70c.



Early Beauty Type

**Giant Crego** The flowers measure four to five inches in diameter, and are borne on stems twelve inches or more in length. Their lasting qualities when cut are unsurpassed.

White, Shell-Pink, Rose-Pink, Crimson, Lavender, Dark Blue, Purple and Mixed.

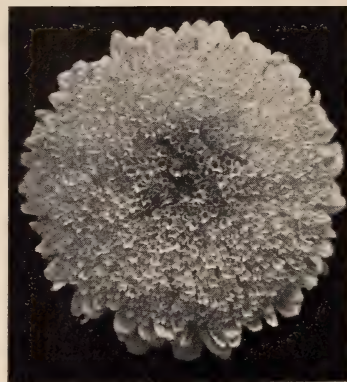
Each of the above, pkt., 10c; any 3 pkts. for 25c; ¼ oz., 55c.

## P.W.'s Giant Branching

Beautiful cut flowers. The branching habit is accompanied with great vigor of growth and profusion of bloom.

White, Peachblossom, Flesh-Pink, Rose-Pink, Crimson, Blue, Lavender, Purple and Mixed.

Each of the above, pkt., 10c; any 3 pkts., for 25c; ¼ oz., 50c.



New Aurora Aster

**New Aurora** This European type we offer for the first time. The plants have a branching habit, sturdy, and easily grown. Flowers possess coloring unknown to other types.

**Aurora Yellow**—A delightful, golden-yellow; deeper at center.

**Aurora Blue**—Blue with yellow center. Either of above, pkt., 20c; ¼ oz., 75c.

## Queen of the Market

The best early aster, usually in full bloom two weeks before most other sorts begin to blossom.

Mixed, all colors—Pkt., 10c; ¼ oz., 50c.

**Royal** (Early Flowering, Wilt Resistant)—Its habit of growth is entirely distinct, the stems growing directly from the ground and not on side-shoots from the main stem like other varieties. Second early in season. 23 inches — White, Rose Pink, Lavender, Purple.

Any of above—Pkt., 15c; ½ oz., 35c.

**Asters, Dwarf Mixture** — A good mixture Dwarf of types. Pkt., 10c; ½ oz., 25c.

**Astermum** An attractive and descriptive name for a new race of asters which belong to the Comet family.

Mixed, all colors—Pkt., 10c; ¼ oz., 50c.



Giant Crego

## Improved Giant Sunshine Asters

A great improvement in the California Sunshine type. Flowers 4 inches and more across, borne on strong stems 18 to 20 inches long. The outer petals are varying shades of pink, rose, blue, and lavender with centers of tiny quills of contrasting color. The plants grow 2½ ft. tall and flower in midseason. Well suited for growing in beds and borders where the large colorful blooms always are a great attraction. There is no finer Aster for cutting than this new type.

Mixed Colors—Pkt., 25c; ¼ oz., 65c.

## Heart of France Aster

This is the largest flowering of the very dark red sorts; plants grow about 24 inches high, nicely branched, bearing in September their large, rich, deep ruby-red flowers on long strong stems; a fine, dark variety. Pkt., 15c; ¼ oz., 35c.

## Aster Collection Offer

No. 60

1 pkt. each mixed colors of California Giants — Beauty, Crego; P.W.'s Branching, Aurora, Gt. Sunshine, Peony Flowered, King, Queen of the Market, and Astermum. 10 pkts. in all. (Regular value \$1.40) All for \$1.00.



Gt. Imp. Sunshine Asters



# Gorgeous, Colorful Snapdragons

## New Early Giant Flowered Snapdragons

(Antirrhinum)

This class is the very newest development in Snapdragons; unquestionably it excels all other types. The colors are uniformly fixed and true, growing to a height of about two and one-half feet. They come into flower three weeks earlier and are in full bloom one month earlier and develop more flowers at one time on the spike than any other variety of Snapdragon. They are exceptionally healthy and robust and wilt-resistant. We can supply the following varieties in this improved type:

**Early Brilliant Rose**, rose-pink.  
**Early Golden King**, bright yellow.  
**Early Queen Victoria**, pure white.  
**Early Scarlet Defiance**, bright red.  
**Early Mixed**, all colors.  
**Any of the above**, pkt., 20c; 1/16 oz., 40c.

### Giant Tall Maximum Snapdragons

36 to 48 inches

Giant Snapdragons are a marked advance over the older type in size and brilliancy of color. The flowers are closely placed on the stems, each bloom measuring 2 to 3 inches.

**Apple Blossom**—Delicate pink.  
**Copper King**—Coppery scarlet.  
**Canary Bird**—Canary yellow.  
**Defiance**—Brilliant scarlet.  
**Fairy Queen**—Terra cotta.  
**Old Gold**—Deep golden-yellow.  
**Purple King**—Rich purple.  
**The Rose**—Rose pink.  
**Wallflower**—Burnt orange, copper.  
**Snowflake**—Pure snow-white.  
**Each of above**, pkt., 15c; 1/4 oz., 35c.  
**Giant, Flowered**—Mixed. All the above and others, Pkt., 15c; 1/4 oz., 30c.

### Semi-Dwarf Snapdragons

This class of plants grows about 18-20 inches high and are splendid for mass effects in the garden, as well as cut flowers.

**All Colors Mixed**—Pkt., 10c; 1/4 oz., 30c.

## Amaranthus

Brilliant foliaged, three feet high; thrive in a hot, sunny location.

**Tri-Color (Joseph's Coat)**—Pkt., 5c; 1/4 oz., 20c.

**Molten Fire**—Rich maroon foliage crowned with fiery crimson top-leaves. Gives a magnificent display until late fall; 4 ft. tall. Pkt., 20c; 1/4 oz., 55c.

## Arctotis (African Daisy)

**Grandis**—Forms branched bushes 2 to 3 feet high; flowers are large, pure, white on the upper surface, the reverse of petals pale lilac-blue. Pkt., 10c; 1/4 oz., 25c.

**New Hybrids** A new class, producing a brilliant array of bronze red, rose cream, yellow, and salmon shades throughout the hot summer season. Pkt., 25c; 1/16 oz., 75c.



Argeratum, Blue Cap



New Giant Snapdragons

## Acroclinium

**Roseum**—2 feet. A pretty Everlasting, bearing daisy-like flowers, pretty bright rose with yellow center, which can be dried. Pkt., 10c; 1/4 oz., 30c.

**Double Mixed**—Pkt., 10c; 1/4 oz., 30c.  
**Single Mixed**—Pkt., 10c; 1/4 oz., 25c.

## Double Balsam

Produces gorgeous masses of brilliant double flowers in profusion.  
**Double Rose and Camellia-flowered Mixed**—Pkt., 10c; 1/4 oz., 25c.

**Dwarf Mixed**—8 inches, perfect little bushes with double and semi-double flowers. Pkt., 10c; 1/4 oz., 25c.

## Browallia

**Speciosa Major**—1 ft. high. Most brilliant blue; does well outside or in hanging baskets or vases. Pkt., 25c.

## Balloon Vine

**Love in a Puff**—A clean, free-growing vine reaching 10 to 15 feet, bearing numbers of large, round, inflated seedbuds resembling miniature balloons. Pkt., 5c; oz., 25c.



# P.-W.'s ANNUALS—Old and New

## Calendula (Scotch Marigold)



Calendula Chrysantha

Important and popular flowers for a garden display from early summer until frost.

**Chrysantha or Sunshine** Large flowers, exquisite shade of clear buttercup yellow, long loosely arranged petals, resembling Chrysanthemums. A golden splash of color for the garden, and a fine cutting variety with long stiff stems. Pkt., 25c; ¼ oz., 75c.

**Golden Beam** This is a new yellow form with quilled petals resembling Radio in every way excepting the color. Pkt., 20c; ¼ oz., 60c.

**Radio** Beautifully quilled petals adding great charm to the clear rich orange blooms. Most attractive. Pkt., 20c; ¼ oz., 45c.

**Sensation** (Campfire)—Very double, brilliant orange flowers with a beautiful sheen of crimson or scarlet. Pkt., 20c; ¼ oz., 60c.

**Orange King** (Select)—Rich orange; 20 inches. Pkt., 10c; ¼ oz., 25c.

**Double Giant**—Mixed, all colors—Pkt., 5c; ½ oz., 15c.

## Candytuft

They soon flower from seed and remain long in bloom.

**Giant Hyacinth-Flowered White**—1 foot. A grand border plant, bearing very large, bold spike of snowy white flowers, habit sturdy and compact. Pkt., 10c; ½ oz., 40c.

**Dwarf, Hybrids, Mixed**—Plants of fine, compact growth, covered with large flowers ranging in color from rose, salmon, coral-pink and delicate blush to lilac and purple crimson. Pkt., 10c; ½ oz., 30c.

**Mixed, all Colors**—Pkt., 5c; ½ oz., 20c.

## Calliopsis

**Crown of Gold (Coronata Maxima)**—Splendid cut flower. Pure golden-yellow, 2 inches across, on long, wiry stems; hardy and blooms nearly all season. Pkt., 10c; ¼ oz., 35c.

**Drummond Golden Wave**—2 feet. Flowers yellow with a circle of rich crimson-brown around the eye. Pkt., 10c; ¼ oz., 20c.

**Tall Varieties, Mixed**—Valuable for wild gardens, and for cutting. Pkt., 5c; ½ oz., 20c.

**Dwarf Varieties, Mixed**—Valuable for small mixed beds and borders. Pkt., 5c; ½ oz., 25c.

**Double Mixed, all colors**—Pkt., 10c; ¼ oz., 20c.

## Canary Bird Vine

A dainty vine with beautiful cut leaves and pretty, delicate flowers of a clear canary-yellow. Does well in the shade. 15 to 20 feet. Pkt., 10c; ½ oz., 25c.

## Cardinal Climber

A very attractive, strong and rapid grower, attaining a height of 25 feet, with beautiful fern-like lacinated foliage and literally covered with a blaze of fiery cardinal red flowers from midsummer to frost. Pkt., 25 seeds, 15c.

## New Annual Canterbury Bells, Mixed

**Gold Medal Winner, All-American Selections 1933.**—An improvement over the biennial varieties in that they bloom within six months from sowing seed thus bringing spring to the fall garden. Plant is 2 to 2½ feet tall, having 6 to 8 good spikes. Colors include dark and light blue, pink, rose, and white. Pkt., 15c; 1/16 oz., 40c.

## Celosia (Coxcomb)

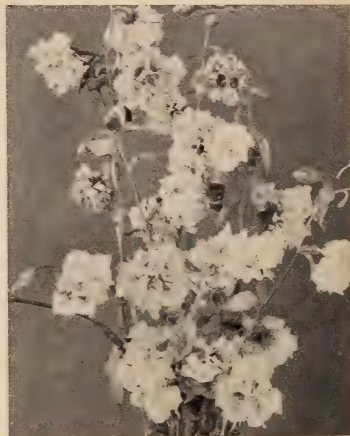
### Crested Dwarf Sorts

**President Thiers**—Fine dwarf habit, with bronze foliage, and large handsome velvety crimson combs. Pkt., 10c; ¼ oz., 40c.

**Dwarf Mixed**—Pkt., 10c; ¼ oz., 50c.



New Annual Canterbury Bells



Clarkia, Salmon Queen

### Plumosa or Plumed Coxcomb

They form numerous massive plumes which resemble ostrich feathers, and wave gracefully above the foliage. 2½ to 3 feet.

**Plumosa Finest Mixed, all Colors**—Pkt., 10c; ¼ oz., 30c.

**Pride of Castle Gould**—Plants produce immense flower heads, resembling willow plumes in many remarkable shades. Pkt., 25c; ¼ oz., 60c.

**Chinese Woolflower (Celosia Chiddsi)**—Plants grow two to three feet high, the bloom starting early with a central head, round and globular, which often reaches the immense size of two feet in circumference. Pkt., 10c; ¼ oz., 40c.

## Chrysanthemum (Summer)

Summer Chrysanthemums are showy and effective garden favorites.

**Finest Mixed Single**—Pkt., 10c; ¼ oz., 20c.

**Finest Double Mixed**—Pkt., 10c; ¼ oz., 20c.

## Clarkia

Clarkias are summer annuals perfectly hardy, and can be grown in ordinary soils. 2 feet.

**Apple Blossom**—Double, pink.

**Brilliant**—Double crimson scarlet.

**Salmon Queen**—Double salmon pink.

**White Prince**—Double, pure white.

**Finest Double Mixed, all colors**

Each of above—Pkt., 10c; ¼ oz., 30c.

New Dwarf Enchantress—see page 35.

## Cobaea

**Scandens Cathedral Bells**—30 feet. One of the handsomest and rapid growing climbers. The flowers are bell-shaped and open a clear green but turn a beautiful purplish lilac. Seed should be sown edgewise. Very vigorous and prolific bloomer Pkt., 10c; ¼ oz., 25c.

## Coleus

The handsomest foliage plant obtained from seed. The leaves are heart-shaped and handsomely crimped toothed and frilled; their color combinations are remarkably rich. Pkt., 25c; 1/32 oz., \$1.00.



# Wealth of Color for Your GARDEN

## Centaurea

**Cyanus (Batchelor's Button or Cornflower)**—2 feet. One of the most valuable blue flowers for the border. Re-seeds itself and may be used for naturalizing purposes. The double flowers are best, we have discarded the old single varieties.

**Double Flowering Varieties**—White, Blue, Pink and Rose Shades, Purple, Double Mixed, Dwarf, Victoria, 9-inch Edging, blue. Each of the above, pkt., 10c;  $\frac{1}{4}$  oz., 20c.

**Imperialis (Sweet Sultan)**—The beautiful sweet scented flowers are borne on long, strong stems; when cut will last for several days in good condition. White, Dark Lilac, Brilliant Rose, Purple Crimson, Deep Lavender, mixed colors. Each of the above, pkt., 10c;  $\frac{1}{4}$  oz., 25c.

**White Leaved Centaureas** (Dusty Millers for Bedding.)

**Candidissima**—10 in., thick silvery white leaves. Should be sown early. Pkt., 10c;  $\frac{1}{4}$  oz., 40c.

**Gymnocarpa**—1½ to 2 ft. Foliage finely cut of silvery gray color. Pkt., 10c;  $\frac{1}{4}$  oz., 30c.

## Carnations

Easily grown either in flower-beds, borders or pots.

**American Hybrids**—A race of large-flowered carnations, bearing handsome blooms on long, wiry stems. Pkt., 35 seeds, 25c.

**Giant Margaret Mixed**—Flowers of very large size, measuring 3 inches or more in diameter; colors include all the shades of white, pink, crimson and striped. Pkt., 100 seeds, 15c.

## Cosmos

4 to 6 feet

**Hollywood Star**—This new variety is a graceful oddity, which attracts great attention. The flowers are pink, red and white, borne on long stems. Pkt., 10c;  $\frac{1}{4}$  oz., 40c.

**Early Flowering Single Mammoth**

—These are recommended for planting in the north and higher altitudes, as the late, or Giant flowered varieties are nearly always caught by early frost. White, pink, crimson. Mixed all colors. Each of the above, pkt., 10c;  $\frac{1}{4}$  oz., 20c.

**Late Giant Flowered**—Crimson, White Lady Lenox, Pink Lady Lenox, Giant Mixed. Each of the above, pkt., 10c;  $\frac{1}{4}$  oz., 20c.

**Late Double Flowered**—These differ from the other cosmos in the formation of the center of the flower, which develops a crown or crest, like an anemone, the guard petals remain the same.

**Crimson, White Queen, Pink Beauty, Mixed.** Each of the above, Pkt., 15c;  $\frac{1}{4}$  oz., 50c.

**Double Early Flowering**—These grow to a height of about three feet forming a perfect bush, massed with bloom, bearing beautiful double flowers of good size, on long stems. They come about 65 per cent double from seed. Best mixed, pkt., 20c;  $\frac{1}{4}$  oz., 75c.

**New Early Klondike**—see page 33.

## Cypress Vine

10 feet

It has a profusion of scarlet or white star-shaped blossoms, and its finely cut foliage is particularly ornamental.

**White**—Pkt., 10c.

**Scarlet**—Pkt., 10c.

**Mixed**— $\frac{1}{4}$  oz., 20c; pkt., 10c.

**Ivy-Leaved Scarlet**—A rapid-growing variety with deeply lobed, ivy-like leaves, and small scarlet flowers. Pkt., 10c;  $\frac{1}{4}$  oz., 30c.



Centaurea Imperialis

## Cyclamen

(Alpine Violet)—1 foot

Charming house plants, with beautiful foliage and rich colored, fragrant flowers. May be successfully raised from seed with a little care and patience.

**Giant Flowered Cyclamen**—Mixed extra choice, 10 seeds, 20c; 20 seeds, 30c; 100 seeds, \$1.20.



Centaurea Cyanus

## Dahlias

One of the best late summer and autumn flowering plants, and now enjoying a wide popularity; as easy to grow from seed as Nasturtiums; the double sorts will bloom the first season if the seed is sown before the beginning of April; the single sorts will bloom from seed sown in the open grounds as late as June, although an earlier start is better.

**Double, All Types, Best Mixed**—Pkt., 15c;  $\frac{1}{4}$  oz., 65c.

See pages 60-61 for Dahlia Roots



Carnation, Giant Margaret

## Cynoglossum

Chinese Forget-Me-Not

**Amabile**—Large sprays of rich blue, Forget-Me-Not-like flowers borne profusely from June until September. It thrives in dry hot locations, where few other flowers make such a fine show. 20 in. Pkt., 10c;  $\frac{1}{4}$  oz., 25c.



Double Cosmos, Anemone Fl.



# ANNUAL Flowers-Glory of Garden

## Dianthus (Pinks)

A popular annual variety distinguished for brilliant, contrasting colors appearing in each flower.

**Laciniatus Splendens**—The flowers are single but beautifully fringed and come in various shades of red with large white centers and white edges around the petals. Pkt., 20c; ½ oz., 40c.



Dianthus Laciniatus\*

## Dimorphotheca (African Golden Daisy)

**Aurantiaca**—An extremely showy annual daisy from South Africa, which suits our climatic conditions perfectly. The bushy plants grow 12 to 15 inches high. The flowers, which are 2½ inches and over across, are a unique, rich, glossy orange-gold, with dark disc and halo. They bloom the greater part of the summer and fall. Pkt., 10c; ¼ oz., 40c.

## Erysimum (Fairly Wallflower)

**Perofskianum (Orange Beauty)**—A pretty annual, growing about 18 inches high, bearing throughout the summer dense racemes of brilliant orange-yellow wallflower-like flowers, a rather unusual culture. Sow the seed in the open ground in spring and give it a sunny position. Pkt., 10c; ¼ oz., 25c.

## Euphorbia

**Variegata (Snow on the Mountain)**—The flowers are inconspicuous; the foliage, however, is attractive; veined and margined with white; 2 feet. Pkt., 10c; ¼ oz., 20c; oz., 50c.

## Everlastings

Winter bouquets of your own growing make an attractive present for a friend, besides supplying a bit of brightness for your own home.

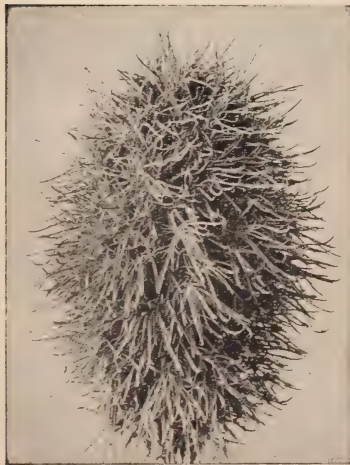
COLLECTION No. 63

One pkt. each of eight leading annual everlasting for 65c. Single pkt., 10c.

## Escholtzia (California Poppy)

Sow the seed where the plants are to remain.

**Carmine King**—Beautiful carmine-rose color, both on the interior and exterior of the flower. Pkt., 10c; ¼ oz., 25c.



Kochia New Giant (see page 41)

**Golden West**—Flowers bright yellow and orange, penciled and blotched. Pkt., 5c; oz., 30c.

**Mandarin**—Inner side of the petals rich orange, the outer side brilliant scarlet. Pkt., 10c; ½ oz., 35c.

**Mixed all colors**—Many shades. Pkt., 10c; oz., 35c; ¼ lb., \$1.00.

**Double and Semi-Double Mixed**—Pkt., 10c; ¼ oz., 30c.

## Gourds

Twenty feet. These are desirable in many places where an immense amount of vine is wanted quickly. Most sorts are good for 20 to 30 feet in a season, and the blooms of some are quite striking and handsome.

**Small Fruited Varieties, Mixed**—Pkt., 10c; oz., 25c.

**All Varieties, Mixed**—Pkt., 10c; oz., 25c.

## Heliotrope

Favorite on account of its delightful fragrance. Seed sown in the Spring makes fine plants for bedding out and are as easily grown as Verbenas.

**Mammoth Mixed**—Large flowers, ranging in shade from dark blue to lilac. Pkt., 10c; ½ oz., 30c.

## Gaillardia (Blanket Flower)

They will produce from early spring until late fall a continuous profusion of brilliantly colored flowers, red and yellow predominating. Of easy culture, sow where they are to remain.

**Amblyodon**—Deep red. Pkt., 10c; ¼ oz., 40c.

**Picta Single Mixed**—Pkt., 10c; ¼ oz., 25c.

**Lorenziana Double Perfection Mixed**—Large handsome heads of double quilled flowers in rich shades of red and yellow. Pkt., 10c; ¼ oz., 25c.

## Godetia

The plants bloom profusely and bear showy flowers of satiny texture in a rather poor soil. 1½ feet.

**Double Mixed**—Pkt., 10c; ¼ oz., 35c.

**Dwarf Sorts Mixed**—Neat globular, about 10 inches in height. Pkt., 10c; ¼ oz., 25c.

## Gomphrena (Globe Amaranth)

A showy annual everlasting with clover-like heads. **Mixed all colors**—Pkt., 10c; ¼ oz., 25c.

## Grasses

**Ornamental Annual Mixed**—2 to 5 feet. These are most useful for winter bouquets when combined with Everlasting flowers. They are easily grown in any soil. Pkt., 10c; ¼ oz., 30c.

## Helichrysum (Strawflower)

Helichrysums are an ornament to the garden when growing and are everywhere prized for the winter bouquets.

**Mixed all colors**—Pkt., 10c; ¼ oz., 30c.



Escholtzia (California Poppy)

## Hollyhocks (Annual)

These annual kinds, however, bloom the first year. Height 5 feet.

**Everblooming Single Mixed**—Large single flowers, exhibiting every shade known in Hollyhocks. Pkt., 10c; ¼ oz., 30c.

**Everblooming Double Mixed**—Double and semi-double. Pkt., 10c; ¼ oz., 35c.

## Gypsophila

**Elegans Grandiflora Alba (Angel's Breath)**—Two feet. This is an improved, large flowering, pure white form of the annual Angel's Breath; of free, easy growth. Several sowings should be made during the season to keep up a supply. Combined with sweet peas they make pretty bouquets. Pkt., 10c; oz., 25c.

**Elegans Delicate Pink**—A pretty blush pink form of the above, and equally as valuable for cutting; 18 inches. Pkt., 10c; oz., 30c.



# Add Color, Beauty with ANNUALS

## Hunneemannia

**Fumariaefolia** (Bush Escholtzia, or **Yellow Tulip Poppy**)—1½ ft. The plants grow into a shrubby bush and produce their large cup-shaped flowers 3 inches across on stems 12 inches long. The color is of clear, bright yellow, the petals are of satin and crinkled, like crushed satin. The cut blooms keep in water two weeks. Pkt., 10c; ¼ oz., 25c.

## Kochia

**The New Giant** (Summer Cypress, **Burning Bush**)—Grows 2 to 2½ feet high and resembles a close-clipped ornamental evergreen. The plant may be grown singly or in the form of a hedge or background. In early Autumn the whole bush becomes carmine or blood-red, whence the name of Mexican Fire Plant, Burning Bush, etc. Pkt., 10c; ½ oz., 30c.

## Lantana

**Hybrida, Mixed**—2 ft. Shrubby plant with Verbena-like flowers in shades of white, red and yellow. May be grown in pots or set out in summer, remains in bloom late in autumn. They have an agreeable aromatic perfume. Pkt., 10c; ¼ oz., 30c.



Marigold Signata Pumila, (Tagetes)

## Larkspur

(Annual Delphinium)

Sow seed in the open border either in early spring or late fall so germination may take place very early. **New Giant Imperial Larkspurs**—(see page 33).

**Double Stock-Flowered Larkspur**—(3 to 4 ft.) Graceful and attractive in the garden and wonderful cut flowers. **Dark Blue, Exquisite Pink, Lilac, Carmine, Sky Blue and White, "Los Angeles"** (Salmon Pink.) Each of the above, pkt., 10c; ¼ oz., 30c. **Mixed, all colors**—Oz., 70c; ¼ oz., 20c; pkt., 10c.

## Leptosyne

(Yellow Daisy)

**Stillmani**—An easily grown, attractive annual, particularly valued because it blooms early and continuously for many weeks. Beautiful Daisy-like flowers of a pure golden yellow carried on plants growing 20 in. tall. Pkt., 10c; ¼ oz., 40c.

## Linum

**Grandiflorum Rubrum** (Crimson Flax)—2 feet. One of the most brilliantly colored of summer annuals, flowers glowing crimson-rose. May be had in bloom from May to October by successive sowings. Pkt., 10c; ¼ oz., 25c.

## Lobelia

Highly desirable for edgings, ribbon bedding and garden decoration as well as for pot culture. **Crystal Palace Compacta**—6 in. Rich, deep blue; dark foliage; the finest for bedding. ½ oz., 50c; pkt., 10c. **Gracilis**—Light blue; light green foliage; trailing. ¼ oz., 40c; pkt., 10c. **Mixed Dwarf**—Pkt., 10c; ½ oz., 40c.

## Lunaria (Honesty)

**Annus (Biennis)** (St. Peter's Penny)—Flowers purple, followed by silvery seed pods, prized for winter decoration. Annual but readily self-sows. Pkt., 10c; ¼ oz., 25c.

## Marigold (Tagetes)

In late summer, when many bedding plants are past their prime, Marigolds afford a wealth of color that is simply invaluable.

**Double African Varieties**

**New Guinea Gold**—(See page 34). **Lemon, All Double**—(See page 35). **Orange, All Double**—(See page 35). **Lemon Queen**—Pkt., 10c; ¼ oz., 40c. **Orange Queen**—Pkt., 10c; ¼ oz., 40c.

**Tall Mixed**—Extra large double flowers. Pkt., 10c; ¼ oz., 20c.

**Double Dwarf Mixed**—15 inches. Pkt., 10c; ¼ oz., 20c.

**Double French Varieties**

**Gold Striped**—10 inches. Velvety maroon, striped gold. Pkt., 10c; ¼ oz., 20c.

**Tall French "Royal Scot"**—see page 35.

**Dwarf French Mixed**—Low bushes, covered with small flowers. Pkt., 10c; ¼ oz., 30c.

**Single Dwarf Varieties**

**Legion of Honor**—Flowers rich golden-yellow, marked with velvety-brown. Best for edging. Pkt., 10c; ¼ oz., 25c.

**Signata Pumila**—A dwarf, compact, bushy plant, with beautiful, delicate fern-like leaves, densely covered with flowers of bright golden-yellow. Pkt., 10c; ¼ oz., 30c.



Marigold Orange Queen



Larkspur, Stock Flowered

## Lavatera (2½ Feet)

The Lavateras or Annual Malwos are showy and effective plants covered during the entire summer with bloom.

**Splendens Alba**—Very large, silky, pure white flowers. Pkt., 10c; ¼ oz., 20c.

**Splendens Rosea**—Very large, bright rose flowers. Pkt., 10c; ¼ oz., 20c.

## Lavender Lace Flower

**Didiscus coerulescens**—3 feet. Long-stemmed lavender flowers; look like blossoms of Queen's Lace Handkerchief or Wild Carrot. A constant bloomer. The culture is not at all difficult, only the seed is somewhat slow in germinating. To be sown in May in partial shade where it is to remain. Pkt., 10c; ¼ oz., 50c.



# NASTURTITIUMS Both Old-fashioned and New

Collection No. 64 of Dwarf Nasturtium consists of one oz. each of the five varieties listed for 60c.



Nasturtiums

New "Golden Gleam" and Double Gleam Hybrids — see pages 34-35.

## Moon Vine

*Ipomoea Mexicana Grandiflora Alba* (White Moon Flower) — Covered with large, white flowers every evening and cloudy day. Seeds should be started inside. Pkt., 10c; ½ oz., 35c.

*Ipomoea Mexicana Grandiflora Giant Pink* — Soft lilac-pink flowers. Pkt., 10c; ½ oz., 35c.  
*Early Blooming Heavenly Blue* (*Rubro-coerulea praecox*) — See Morning Glory, page 43.



Lupinus, New Hartwegi Giants

## Lupinus

Annual Mixed — Pkt., 10c; oz., 30c.

New Hartwegi Giant Lupinus — All-American selections 1933. A marked improvement over the older type. Grows 3 to 4 feet tall; branches from the base; has 4 to 6 spikes to a plant with larger, more profuse blooms. Colors are blue, rose, and pink. Pkt., 15c; ½ oz., 25c.

## Mignonette

(*Reseda*) 6 to 12 inches

No garden is complete without this fragrant plant of unassuming mien. One of the principal uses is for cutting purposes and combining in bouquets with other more pretentious blossoms without its delicate odor. *Grandiflora* — Large flowered. Pkt., 5c; oz., 25c.

*Machet* — It is the best Mignonette for all purposes, either outside or inside. It is an ever-bloomer, the flowers lasting until late in the fall. Pkt., 10c; ¼ oz., 25c.

Mixed — Many shadows and types. Pkt., 5c; oz., 25c.

## Mirabilis

(*Marvel of Peru* or *Four O'clocks*) 2 Feet

This is another good old-fashioned flower of bushy habit, bearing hundreds of flowers during the season of white, yellow, crimson and violet.

Mixed, all sorts and colors — Pkt., 5c; oz., 20c; ¼ lb., 50c.

Dwarf Mixed — 12 in. Pkt., 10c; oz., 30c.

Sweet-Scented (*Longiflora Alba*) — White. Pkt., 10c; oz., 40c.



Mignonette Grandiflora

These graceful flowers are so thrifty they do well in poor soil, and are so generally grown, we are apt to think of them with less regard than the more difficult and rarer blossoms. But wise gardeners know that no other flower has so rich a color range of these rare shades, and is so prolific of the blossoms needed to register in the garden bed or border.

## Dwarf Nasturtiums

*Aurora* — Chrome yellow blotched crimson.

*Beauty* — Scarlet splashed canary.

*Bronze* — Burnt bronze color.

*Empress of India* — Very dark leaves, crimson flowers.

*Golden King* — A golden yellow.

Each of the above — Pkt., 5c; oz., 20c; ¼ lb., 50c.

P.-W.'s Best Dwarf Mixed — Pkt., 5c; oz., 15c; ¼ lb., 45c; lb., \$1.35.

## Tall Nasturtiums

*Emperor of India* — Very dark foliage. Rich, deep scarlet flowers.

*Twilight* — Yellow, marbled salmon.

*Vesuvius* — Salmon-rose, dark leaved.

*Von Moltke* — Ruby-red.

Price, each of the above — Pkt., 5c; oz., 20c; ¼ lb., 50c.

P.-W.'s Best Tall Mixed — Pkt., 5c; oz., 15c; ¼ lb., 40c; lb., \$1.25.



# A Rainbow in Flowers—PANSIES

Pansies like cool weather, and the best way to grow them in the north is to start them in the late summer and carry the plants over the winter in a cold frame. The plants will then come into flower with the first tulips. The violas will live over winter with a heavy mulch for protection, and are splendid for bedding.

**P.-W.'s Best Giant Inter-reds, coppers, and bronzes, together with the most delicate rose-pink shadings.** Pkt., 25c; 1/16 oz., 60c; 1/8 oz., \$1.00.

**Harrolds' Pedigreed Giants** This marvelous strain produces super giants in size, of most attractive combinations in bright clear live colors. Pkt., 50c; 1/16 oz., \$1.00.

**Paris Market**—An improved strain of Trimardeau, with better flowers and more compact habit. Pkt., 10c; 1/8 oz., 35c.

**Roggli Swiss Giants** Marvelous variety of colors. Giants in size, free blooming qualities. Pkt., 25c; 1/16 oz., 60c.

**Steele's Miracle Mixed** This is one of the most colorful mixtures of mammoth flowering pansies of which we are familiar. Pkt., 25c; 1/16 oz., 75c.

**Good Bedding Mixed**—Great diversity of colors, free flowering, blossoms slightly smaller than the Giant sorts. Pkt., 10c; 1/8 oz., 25c.

**Separate Colors**—We offer large flowering strains in blue, orange, pink, purple, red, white and yellow. Pkt., 15c; 1/8 oz., 35c.

**Scotch or Tufted Pansies (Viola Cornuta)**—These flowers bloom all summer from seed sown in early spring, and are valuable for rock gardens, edging beds and borders. Require protection during winter. Height, 3-6 inches.

**Furnished in Blue, Violet, White, Yellow, Rose and Mixed**—Pkt., 10c; 1/8 oz., 35c.

## Myosotis

(Forget-Me-Not)

They are considered among the best spring flowers and grouped with Pansies and Daisies the most lovely combinations may be obtained. Respond to good treatment and flourish in shady, moist situations.

**Alpestris Royal Blue**—Trailing habit. Pkt., 10c; 1/8 oz., 40c.

**Alba**—White. Pkt., 10c; 1/8 oz., 50c.

**Rosea**—Pink. Pkt., 10c; 1/8 oz., 60c.



Steele's Miracle Mixed Pansy

## Morning Glories

**Heavenly Blue** **Early Flowering Rubro Coerulea**—Finest of all morning glories; flowers measure 3½ to 4 inches across; deep blue with white throat. They blossom profusely and for a long season, opening in the morning and facing the sun. Pkt., 20c; 1/8 oz., 65c.

**Dwarf or Bush Varieties**—1 foot. Very showy for flower beds, borders, and rockwork; they bloom for a long period and delight in sun. Mixed, all colors—Pkt., 5c; oz., 15c.

**Tall Climbing Varieties; Mixed, all colors**—Pkt., 5c; oz., 15c; 1/4 lb., 35c. **Imperialis Japanese Morning Glory, Mixed**—The Japanese Morning Glory. Pkt., 10c; oz., 25c.

**Setosa (Brazilian Morning Glory)**—The thick stems and leaf stalks are covered with reddish-brown hairs. The deeply lobed leaves are about nine inches across; flowers about two inches in diameter, of delicate texture, tinted pink with a five-pointed star of satiny pink, and are followed by curious seed pods. Pkt., 10c; 1/8 oz., 25c.

## Nicotiana

**(Sweet Scented Tobacco Plant)**—2 feet. One of the easiest annuals to raise and one of the most effective. The flowers open toward evening and emit a powerful perfume.

**Affinis**—Most showy and profuse bloomer, giving a continuous display of waxy white flowers right through the summer and autumn. Pkt., 10c; 1/8 oz., 25c.

**Sanderne**—Bearing beautiful rosy-carmine flowers. Pkt., 10c; 1/8 oz., 35c.

## Nigella

(Love in the Mist)—1½ feet

**Miss Jekyll**—A lovely variety, bearing on long stems large, semi-double flowers of a lovely, tender blue, nestling in fine, feathery foliage. Pkt., 10c; oz., 30c.

## Pennisetum

**Longistylum**—2½ feet. An Abyssinian grass with long, feathery, bearded bristles. Pkt., 10c; 1/8 oz., 30c.

**Rueppelianum**—The spikes are longer and more graceful. Used to border canna beds. Pkt., 10c; 1/8 oz., 30c.

## Pentstemon

**Sensation**—Although this is a half hardy perennial, it can easily be grown as an annual. If sown in heat in February or March, they will flower freely the first year, producing large spikes of handsome gloxinia-like flowers. Often 2 in. across and in the most brilliant and varied colors, many of which are beautifully edged with a fine contrasting color. Pkt., 25c.



Pentstemon Hybrid (Sensation)



# PETUNIAS—P.-W.'s Finest Strains

For freedom of bloom and length of flowering season, the petunia is unsurpassed as a bedding or window box plant. The many improvements recently made in its color range and form of flower have raised it to the front rank. The seed are very small and germinate slowly. Sow them indoors if possible, quite early, and be patient in awaiting the appearance of the seedlings. The Balcony type, of trailing habit, are excellent for porch and window boxes.

The single Bedding kinds can be sown out of doors in May. Our contract grower is a specialist, celebrated for his magnificent strains of both the large flowering single and double varieties, which are being improved each year by careful selection and hybridization.



Ruffled Monsters

## Single Bedding Petunias

All the following are wonderfully effective in beds, borders, window boxes, etc.:

**General Dobbs**—Rich crimson garnet.  $\frac{1}{8}$  oz., 50c; pkt., 10c.

**Snowball**—Pure satiny-white.  $\frac{1}{8}$  oz., 50c; pkt., 10c.

**Violet Queen**—Rich velvety violet-blue.  $\frac{1}{8}$  oz., 50c; pkt., 10c.

**Howard's Star**—Rosy-crimson with a clearly defined five-pointed star of Bluish-white.  $\frac{1}{8}$  oz., 50c; pkt., 10c.

**Rose of Heaven**—A very effective rich and brilliant rose-colored variety.  $\frac{1}{8}$  oz., 50c; pkt., 10c.

**Rosy Morn**—Soft rose-pink with white throat; very dainty.  $\frac{1}{8}$  oz., 50c; pkt., 10c.

**Striped and Blotched**—A good strain of the small-flowering type; beautifully striped and blotched flowers; fine for massing.  $\frac{1}{8}$  oz., 50c; pkt., 10c.

**Fine Mixed Bedding**—Good, bright colors.  $\frac{1}{8}$  oz., 30c; pkt., 10c.

## Balcony Petunias

Most excellent for window- or porch-boxes. **White**—Pure white; **Rose**—Bright rose, white throat; **Red**—Very brilliant; **Blue**—Rich shade; **Mixed**—All colors. Any one above: Pkt., 15c;  $\frac{1}{16}$  oz., 35c.

## Giant Flowering Single Petunias

**Coppery Red**—Very attractive new shade having giant ruffled flowers. Pkt. (200 seeds), 40c.

**Purple Prince**—The largest, darkest and best velvety purple. Pkt. (200 seeds), 25c.

**Dwarf Fringed Giant Mixed (Ramona Strain)**—Dwarf, sturdy type. Beautiful ruffled and fringed, with open, well-marked throats. Pkt. (250 seeds), 50c.

**Giants of California**—These are of great beauty, including fringed and deep-throated sorts in endless variety of colors. Pkt., (200 seeds), 25c.

**Ruffled Monsters**—Giant flowers with large throat and exquisitely ruffled edges, many bewitching shades and colors. Pkt. (250 seeds), 40c.

**Pride of Portland**—Deep rose. Pkt. (200 seeds), 25c.

**Pink Triumph**—Mammoth Pink. Pkt. (200 seeds), 25c.

## New All-double Giant Fringed

(See front cover)

For more than half a century flower seed hybridists have tried every possible device to obtain a double Petunia that would reproduce more than 60% double flowers. At last their hopes have been realized in this new All-double strain. This will give practically 100% fully duplexed and beautifully fringed flowers in the gorgeous assortment of color illustrated on the front cover page of this catalog. This wonderful new strain is ideal for pot plants, window boxes and outside bedding. We offer this strain with every confidence that it will be a delight to every flower lover. Pkt. (100 seeds), 50c.

**P.-W.'s Giant Double-fringed Mixed**—Saved from an unrivalled collection that will produce a large percentage of double flowers of the largest fringed varieties in bright colors. Pkt., 200 seeds, 50c.

## Gay, Colorful PHLOX

The showiest and most easily raised of all Annuals. All the tints of the rainbow are represented with all possible variations of stripes, veins and eyes of contrasting shades. Seed should be sown in the ground as soon as danger of frost is over and in a few weeks are a blaze of glory. Height, 1 foot.

**Alba**—Pure white. **Crown Prince**—Salmony scarlet.

**Altro-pupurea**—Black brown. **Isabellina**—Yellow.

**Brilliant**—Rose with dark eye. **Kermesina Splendens**—Crimson, with white eye.

**Cocinea**—Fiery scarlet. **Golden Star**—Pink with

**Coerulea Striata**—Blue gold star.

**striped.** **Violet.**

Each of above: Pkt., 10c;  $\frac{1}{8}$  oz., 25c.

**Drummond Mixed**—Good mixture.  $\frac{1}{8}$  oz., 20c; pkt., 10c.

## Dwarf Phlox (8 inch)

**Fireball**—Blood-red. **Sky-blue, White Eye.**

**Snowball**—Pure white. **Salmon Pink.**

**Isabellina**—Yellow. **Mixed Colors.**

Each of above: Pkt., 15c;  $\frac{1}{16}$  oz., 40c;  $\frac{1}{8}$  oz., 75c.



Giants of California



# P-W's Brilliant Poppies & SALVIAS

## Single Annual Poppies

**Admiral**—Glistening white, with a broad margin of brilliant scarlet. Pkt., 10c; ¼ oz., 20c.  
**American Legion**—Lovely, single, bright orange-scarlet blooms on white ground; 3 ft. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 70c.  
**Danebrog or Danish Flag**—Brilliant scarlet flowers, with a silvery spot in each petal, forming a white cross. Pkt., 10c; ¼ oz., 20c.  
**Flanders Poppy**—Vivid scarlet-red. This flower has, in the minds of men, been associated for over two hundred years with the battle-fields of Flanders. Was the first official flower of the American Legion. Pkt., 10c; ¼ oz., 20c.  
**Tulip (Glaucum)**—Large tulip-shaped flowers of dazzling scarlet; not unlike a Scarlet von Thol Tulip. Pkt., 10c; ¼ oz., 25c.  
**Mixture Single Poppies**—This mixture includes all the above choice Poppies and many other kinds not listed. Pkt., 10c; oz., 25c.

## Shirley Poppies

### Silk or Ghost

Have beautiful satiny flowers of various colors, all with white centers, which makes the plants very attractive. Foliage is hairy and finely cut.

**Blue Shirley**—Various shades of blue. Pkt., 10c; ¼ oz., 25c.  
**Rose Shirley**—Shades of rose and pink. Pkt., 10c; ¼ oz., 25c.  
**Eldorado Salmon Shades**—2 feet. The introducer made a selection of these most popular shades and will especially appeal to those admiring pastel shades in flowers. Pkt., 10c; ¼ oz., 30c.  
**Shirley Mixed**—Beautiful shades in delicate shades of rose, apricot, salmon-pink and blush to growing crimson with a sprinkling of blues. Pkt., 10c; oz., 30c.

## Double Annual Poppies

**American Flag**—Flowers very large, snow white, scarlet bordered.  
**Fairy Bush**—The flowers have the effect of large feathery balls, over-cast with a rosy shade.  
**Carnation Flowered**—Splendid double-fringed flowers; mixed colors. Any of Above. Pkt., 5c; oz., 25c.

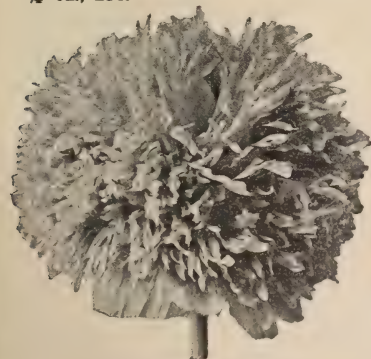
## Primula

**Malacoides**—10 inches. The flowers are of a delicate shade of lavender, produced in whorls on tall graceful spikes in great profusion. Pkt., 25c.

**Obconica Grandiflora**—This is one of the most beautiful Primulas for pot culture and also succeeds well in the open border during the summer. Pkt., 200 seeds, 25c.

## Pyrethrum

**Aureum (Golden Feather)**—Six inches. One of the best plants for edging, grown for its beautiful yellow foliage. Most successfully treated as an annual. Pkt., 10c; ¼ oz., 25c.



Double Carnation Poppy



New Dwarf Everblooming Scarlet Salvia "Primus"

## Portulaca

### (Ross Moss) Six Inches

This plant will grow and bloom profusely in dry, hot situations, where almost any other plant will soon die. Easily transplanted.

**P-W's Large Flowering Single**—White, yellow, pink, striped, scarlet, mixed. Each of the above, pkt., 10c; ¼ oz., 20c.

**Large Flowering Double (Separate Colors)**—White, yellow, pink and scarlet. Each of the above, pkt., 10c; ½ oz., 75c.

**Best Double Mixture**—½ oz., 50c; pkt., 10c.

## Rainbow Corn

### (Zea Japonica Variegata)

Ornamental foliage plant, highly effective and very interesting; grows about 5 feet high, quite bushy, variegated leaves striped with bright green, silvery white, rosy purple and sulphur yellow. Pkt., 10c; oz., 25c.

## Rhodanthe

### (Everlasting) One Foot

A charming annual; succeeds in a light, rich soil and a warm sheltered situation; valuable for pot culture; flowers everlasting; mixed colors. Pkt., 10c; ¼ oz., 50c.

## Salvia Splendens

### (Scarlet Sage)

The Salvia Splendens is a standard bedding plant that keeps the garden bright with color until late in autumn. This plant lends itself to many uses; it makes a good pot plant, does well in window boxes, and is useful for cutting. Its best use, however, is as a hedge or border plant, for brilliant color effect.

**America, or Globe of Fire**—The dwarf plants are of compact rounded growth. Each spike is closely set with mammoth size flowers of the most brilliant scarlet. It begins to bloom early in the season and continues until frost. Pkt., 15c; ½ oz., 50c.

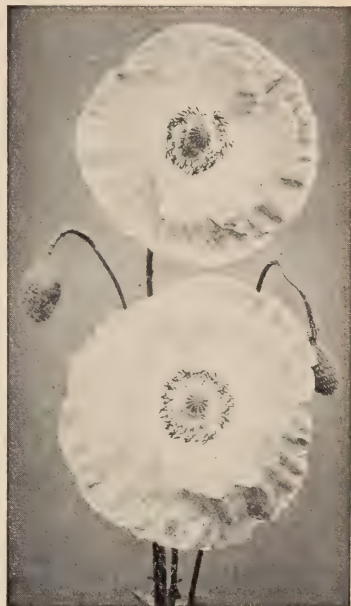
**Fireball (1½ ft.)**—The bushy plant is covered with a great number of flower spikes of the most fiery scarlet. The plants branch freely, the side shoots often producing 4 to 6 flowering spikes. Pkt., 15c; ½ oz., 45c.

**Harbinger**—New. Earliest blooming variety. Started in February, starts blooming in June. Dazzling scarlet flowers and deep green foliage. Compact plant, 16 inches high. Pkt., 15c; 1/16 oz., 35c; ¼ oz., 60c.

**Splendens (Scarlet Sage)**—Beautiful bright scarlet; 3 feet. Pkt., 10c; ¼ oz., 75c.

## Senecio

**Elegans (Double Mixed)**—A splendid border plant growing 2 feet tall and blooming freely from July until October. The flowers are borne profusely in clusters and come in purple, flesh, copper, lilac, red, and white. For early blooming start the seed in the house in a special seed box. Pkt., 15c; ½ oz., 55c.



Single Shirley Poppy



# Showy, Gold-Veined Salpiglossis



Statice Sinuata

## Statice

**Suworowi**—1 foot. Flowers bright rose color. Valuable for winter bouquets. Pkt., 15c; ¼ oz., 40c.

**Bonduelli**—Producing numerous heads of bright yellow flowers, valuable for drying, very attractive. Pkt., 10c; ¼ oz., 25c.

**Sinuata**—Forming pretty rosettes of foliage from which rise branching flower stems 2½ feet high. We furnish **Blue, Rose, White** and **Mixed**. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c.

## Sunflower (Helianthus)

### Large Flowered Tall

These comprise plants of majestic growth and immense showy flowers.

**Red Sunflower**—4 to 8 feet. Some flowers of a rich chestnut-red color, others tipped with yellow and others slightly washed with red. Pkt., 10c; ¼ oz., 20c.

**Chrysanthemum Flowered Double**—6 feet. Golden yellow flowers. Pkt., 10c; ½ oz., 25c.



Schizanthus

## Ricinus

### (Castor Bean)

Stately, strong growing plants, with very ornamental foliage, well adapted as center plants of groups of Cannas, Dahlias, etc.

**Cambodgensis**—6 to 8 feet. Large palm-like leaves of darkest maroon; stalk nearly black. Pkt., 10c; oz., 25c.

**Red Spire**—A new and very effective variety with bronze green foliage and brilliant rosy-crimson seed spikes. Pkt., 10c; oz., 40c.

**Zanzibariensis, Mixed**—10 to 12 feet. The ornamental leaves, beautifully lobed, are 2½ to 4 feet across. Each plant makes a perfect pyramid of foliage. Pkt., 10c; oz., 25c.

**Mixed**—Many sorts. Pkt., 5c; oz., 20c.

## Romneya

**Coulteri (California Tree Poppy)**—5 feet.

Flowers all summer. Beautiful snowy white, fragrant flowers. Pkt., 15c; ½ oz., 75c.

## Rudbeckia

### (Cone Flower)

**Bicolor Superba**—2 feet. Annual. Produces an abundance of bright yellow flowers with brown central disc, fine for cutting. Pkt., 10c; ¼ oz., 25c. (See also page 81.)

## Scarlet Runner

**Scarlet Runners**—A great favorite in England and Europe, not only as an ornamental climber, but for the delicious edible beans which succeed the spray of bright scarlet pea-shaped blossoms. Pkt., 10c.

## Scabiosa

### (Mourning Bride) 2½ Feet

Commonly known as the Pin-cushion Plant. The flower stems are long and the blossoms keep well in water. The soft shades predominate. When given plenty of room and the seed vessels are kept regularly picked off, it will last through the whole summer.

### Large Flowering Double

**Snowball**, golden-yellow, flesh, fiery scarlet, azure fairy, cherry-red, black prince, rose.

Each of the above: Per pkt., 10c; ¼ oz., 25c.

**Mixed**—The above and others. Pkt., 10c; ¼ oz., 25c.

## Thunbergia

### (Black-Eyed Susan)

**Alata Mixed**—Beautiful, rapid growing annual climbers preferring a warm, sunny situation; used extensively in hanging-baskets, vases, low fences, etc.; very pretty flowers in buff, white, orange, etc., with dark eyes; mixed colors; 4 feet. Pkt., 10c; ¼ oz., 30c.



Salpiglossis (Velvet Flower)

## Salpiglossis

### 2½ Feet

Undoubtedly one of the most attractive annuals and should be in every garden. Each flower is veined with a glint of gold.

**Emperor**—Crimson, pink, velvety violet, golden-yellow, purple and gold, scarlet and gold, rose and gold. Each of the above, per pkt., 10c; ¼ oz., 50c.

**Emperor Mixed**—Large improved strain, complete range of colors. Pkt., 10c; ¼ oz., 40c.



Scabiosa

## Schizanthus

**Grandiflorus, Garaway's Hybrids**—A grand strain bearing a profusion of large flowers all with handsome markings on a white, buff, brilliant rose, rich blue or purple ground. Pkt., 25c; ½ oz., 50c.

**Mixed, all colors**—¼ oz., 25c; pkt., 10c.

## Silene

### 1½ Feet

**Armenia Mixed (Catchfly)**—A very showy early flowering hardy annual, bearing in quantity, heads of beautiful white, pink and red flowers. Pkt., 10c; ¼ oz., 20c.

## Wild Garden Collection

This is a surprise collection, containing practically every annual in existence.

**Dwarf Sorts**—Growing from 12 to 18 inches high. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25.

**Tall Sorts**—Growing from 18 to 36 inches high. Pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.25.



# All the Best New SWEET PEAS

Sweet Peas are of easy culture and there should be no failures if ordinary care is taken. The absolute essentials are good seed, rich sod deeply dug, early sowing, early staking and frequent stimulation to insure continuous growth and good cultivation to keep the soil loose and porous. The seed should be sown as early in the Spring as the soil can be worked. In the vicinity of Salt Lake, early March in average years is the proper time. It is best to make a trench or furrow about six inches deep, in the bottom of which sow the seed and cover with about one inch of soil, pressing it down firmly. As soon as they are above the ground thin out about three or four inches apart. When planted too close they do not obtain full development. They should be staked up either with branches or stout stakes on which wire netting has been fastened; these should be about four or five feet high. Sweet Peas should be watered thoroughly and frequently and flowers cut often to prevent running to seed which will stop them from continuing in bloom. One ounce will plant 25 feet of row. To inoculate the seed gives added vigor and health. See page 15.

## P.-W.'s Early Flowering and Long Season Spencers

This new type is in great demand by commercial florists for forcing under glass and are just as valuable for outdoor culture, coming into flower five or six weeks earlier than the regular orchid-flowered type. If flowers are kept picked will continue to bloom over a period of nearly four months.

**Amethyst**—Royal purple.  
**Blue Bonnet**—Clear deep blue.  
**Fascination**—Salmon rose pink.  
**Glitters**—Cerise.  
**Grenadier**—Dazzling scarlet.  
**Majestic Rose**—Brilliant rose pink.  
**Sweet Lavender**—Pure lavender self.  
**Valencia**—Sunproof orange.  
**White Harmony**—White, black seeded.

Any of the above—Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

**P.-W.'s Early Flowering Spencer Sweet Pea Collections**—No. 67: 1 pkt., each of above nine varieties, 75c; No. 68: 1 oz. each of above nine varieties, \$3.75.

**Best Mixed**—The above and many other varieties properly blended for a harmonious color effect. Pkt., 10c; ½ oz., 20c; oz., 35c.

## Cupid or Dwarf Sweet Peas

These form a line of emerald-green foliage a little over a foot wide and 6 inches high, and from June until late summer are literally a sheet of bloom; the mixture contains all the colors. Pkt., 10c; oz., 20c; ¼ lb., 60c; lb., \$2.00.

## P.-W.'s Giant Spencer

Of the hundreds of Orchid-flowered or Spencer Sweet Peas introduced in the last few years, we offer this season what we consider the very choicest and most distinct varieties, each one of which is a leader in its respective color, and sure to give entire satisfaction.

**Ambition**—Large rosy-lavender, the best in this color.  
**\*Ascot**—The best giant rich pink.

**Blanche Ferry Spencer**—Bi-color immense, pink and white.

**Blue Bell**—Bright, clear blue.

**\*Charming**—A most brilliant rosy-orange cerise, large flower.

**\*Sybil Henshaw**—Best bright crimson-scarlet of largest size.

**\*Chieftain**—A distinct, rich, deep mauve.

**Fortune**—Very rich, deep violet-blue.

**\*Glen Eagles**—Lavender blue, very large.

**Grenadier**—A most brilliant scarlet.

**\*Huntsman**—Intense poppy-scarlet. Very large and wavy.

**Illuminator**—Bright salmon, cerise sparkling with orange.

**\*Mary Pickford**—Dainty pink suffused salmon.

**Mammoth**—Rich orange-salmon, salmon self.

**\*Model**—Enormous size. The best white (black seeded).

P.-W.'s Giant  
Spencer Sweet Peas



## P.-W.'s Giant Spencer Mixed

This represents the highest development in Sweet Peas to date. This mixture has been made up out of named sorts only, insuring a well balanced range of colors, it would be impossible to get anything of higher quality at any price. Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00.

**Bon-Bon**—A most delicately colored large, pale pink, lightly flushed with salmon.

**\*Olympia**—Rich royal purple.

**\*Orange Picture**—Glowing Sun-Proof Orange. Best in color.

**\*Powerscourt**—A large and fine, pure, bluish lavender.

**Pirate Gold**—A wonderful glowing orange self flowers large.

**\*Rosie**—Larger and better than "Pinkie," which it has now superseded, best rose-pink.

**Welcome**—The sensational fiery-scarlet cerise, preferable to "Fiery Cross," on Royal Salute, same color.

**R. F. Felton**—Exquisite large, soft lavender blue with slight suffusion of rose.

**Ruffled Rose**—A lovely old rose color.

**Splendour**—Rich, reddish maroon; very pleasing.

**Supreme**—The best, large, bluish pink.

**\*What Joy**—Best Primrose. Yellow.

**PRICE**—Any of the above, except where noted, pkt., 10c; oz., 25c; ¼ lb., 75c; lb., \$2.00.

## P.-W.'s Special Collection Spencer Sweet Peas

One pkt. each of Best Red, White, Lavender, Pink, Salmon and Maroon

(6 pkts.) for .....50c

(\*) **Rainbow Collection No. 65** of one packet each of the twelve (\*) varieties offered above, \$1.00.

(\*) **Rainbow Collection No. 66** of 1 ounce of each of the twelve (\*) varieties offered above, \$2.00.



# P-W's ANNUALS—The Cream of Both Old and New



Stocks

- Nana Compacta Mixed**—10 inch. A mixture of dwarf growing varieties suitable for ground cover edging or rock work. Pkt., 15c; ¼ oz., 50c.
- Erinoides (Moss Verbena)**—6 inch. Produces a mass of moss-like foliage, spreading over the ground like carpet, above which are borne heads of purplish-blue and white blossoms; flowers in June and continues until frost. For beds, baskets or rockeries it is highly desirable. Pkt., 10c; ¼ oz., 30c.
- Venosa (Hardy Garden Verbena)**—Used for bedding purposes; thrifty grower, about 1 foot high, and covered from early summer until fall with its bright purplish heliotrope flowers. Pkt., 10c; ¼ oz., 30c.

## Venidium (Monarch of the Veldt)

- Fastuosum**—A magnificent annual from South Africa. Sow the seed in March or April as germination is somewhat difficult if started earlier. Plant them in a sunny position. Has large, daisy like, orange colored flowers marked with black at the base of each petal. Attractive, woolly, grayish green foliage, 2½ to 3 feet. Pkt., 25c; 1/16 oz., 50c.

## Wild Cucumber

(*Echinocystis Lobata*)

Thirty feet. This is the quickest and easiest growing climber on our list. It will quickly cover an old tree or an unsightly building. Pkt., 5c; ½ oz., 15c; oz., 25c; ¼ lb., 75c.



P-W's Giant Double Zinnia

## Stocks (Large Flowering)

The flowers appear on long, stiff stalks like small rosettes, are exceedingly fragrant and range through a most complete scale of color. **Improved Large Flowering 10-Week Stocks**—We furnish in colors as follows: white, yellow, rose-pink, crimson, light blue, dark blue, mixed.

Each of the above: Pkt., 10c; any 3 pkts., for 25c; ¼ oz., 50c.

**P-W's Giant Perfection "Cut and Come Again"**—1½ feet. Useful for outdoor beddings as well as for pots or cut-flowers. They throw out numerous side branches, all bearing very double, fragrant flowers. White, canary, yellow, pink, old rose improved, scarlet, light blue, dark blue, mixed.

Each of above: Pkt., 10c; 1/16 oz., 30c; ¼ oz., 50c.

## Giant Verbenas

Verbena is one of the most popular garden annuals and lends itself willingly to many uses. The clusters of showy and often fragrant flowers are borne in constant succession from June until frost.

**Beauty of Oxford (Novelty)**—The brightest rose color ever produced from seed. Beautiful shades from clear rose-pink to rose-red. Pkt., 10c; ¼ oz., 50c.

**Blue, White Eyed**—Massive flower trusses.

**Lucifer**—Bright scarlet self.

**Luminosa**—Very showy flame-pink. Excellent.

**Rose Cardinal**—Deep rose with white eye.

**Royale**—Intense deep royal blue with yellow eye.

**Salmon-Pink**—Large, bright salmon-pink.

**White**—Pure white large flowerheads.

**Price**—Any of the above, except where otherwise noted: Pkt., 10c; ¼ oz., 50c.

**Giant Mixed**—A wonderful mixture of large flowering varieties. The flowers are, as the name indicates, gigantic, and with white eye, the reds particularly attractive. Pkt., 10c; ¼ oz., 45c.



Verbena

## Wallflower

Well known, deliciously fragrant half hardy perennials, blooming early in spring, with spikes of beautiful flowers. In the north they should be protected in a cold frame in the winter and planted out in April.

**Single Mixed**—All colors. Pkt., 10c; ¼ oz., 20c.

**Double Flowering Finest Mixed**—Pkt., 15c; 1/16 oz., 40c.

## P-W's Giant Double Zinnias

Three Feet

The flowers are of large size, thickly set with velvety petals. The plants are healthy, vigorous, branching freely, and make excellent material for grouping or cutting.

White, Salmon, Pink, Yellow, Orange, Scarlet, Violet, Purple.

Each of above—Pkt., 10c; any 3 for 25c; ¼ oz., 35c.

**P-W's Giant Double Zinnias, Mixed**—Containing all the new and interesting colors. Pkt., 10c; ¼ oz., 30c.

## Giant Double Quilled Achievement

The petals are quilled giving the flower somewhat the appearance of a cactus dahlia and displaying a rich variety of colors. Pkt., 10c; ¼ oz., 45c.



# P.-W.'s Dahlia Flowered ZINNIAS

"Award of Merit" and Gold Medal by Royal Horticultural Society

Large Double Flowers 6 to 8 inches across



**P.-W.'s Dahlia Flowered Zinnia Collections**

**No. 69**—1 pkt. each of the nine varieties listed below for \$1.00

**No. 70**—½ oz. each of the nine varieties Dahlia Flowered Zinnias for \$2.00 Postpaid

## Double Dahlia Flowered Zinnias

The flowers often measure 4 inches in depth and 6 to 8 inches in diameter. In general appearance the flowers compare with the Show Dahlias.

**Canary Bird**—A delicate shade of primrose—very large and holds its color well out of bloom.

**Crimson Monarch**—Rich crimson. By far the largest and best of red shades. Flowers often eight inches in diameter.

**Dream**—A fine, deep lavender, turning to purple, a new desirable shade in Zinnias.

**Exquisite**—By far the most pleasing of our collection. Truly Dahlia flowered as regards form and size. Color light rose with center a deep rose.

**Golden Dawn**—A very rich deep orange yellow.

**Old Rose**—This is adequately described by its name, as it is of the real Old Rose Shade.

**Oriole**—An immense orange and gold bicolor, changing slightly as it ages.

**Polar Bear**—A very large pure white, the best white yet seen in Zinnias. True Dahlia form.

**Scarlet Flame**—A large, beautiful, bright scarlet, with a delightful blending of orange throughout the petals.

**Price**—Each of above: Pkt., 15c; any 4 pkts., 50c; ½ oz., 30c; ¼ oz., 50c; oz., \$1.50.

**Dahlia Flowered Mixed**—All the above and others. Pkt., 15c; ½ oz., 25c; ¼ oz., 40c; oz., \$1.35.

**New Desert Gold**—see page 34.

## Lilliput, or Pompon Zinnias

An especially pretty, dwarf, branching type, 12 to 18 inches tall, blooming continuously and most profusely. The double, conical flowers are 1 to 1½ in. across. Highly effective for borders. Especially desirable for table decoration when medium-stemmed flowers are wanted.

**Crimson Gem** **Canary Yellow** **Salmon Rose**  
**Golden Gem** **White Gem**

**Price**—Any of above varieties: Pkt., 10c; ¼ oz., 35c.

**Mixed Colors**—All the above colors in mixture. Pkt., 10c; ¼ oz., 30c; oz., \$1.00.

## Double Zinnia California Giants

In presenting the above type we offer a rare collection of striking and desirable colors. They are larger than Giant Double, and a cross between them and the Dahlia Flowered types.

**Cerise Queen**—Beautiful cerise-rose.

**Enchantress**—Light rose with a deep rose center.

**Golden Queen (Lemon Queen)**—Large golden lemon flowers.

**Lavender Gem**—Deep lavender turning to purple.

**Orange King**—Cadmium- or orange-scarlet.

**Purity**—Pure white.

**Rose Queen**—Striking bright rose.

**Scarlet Gem**—Glowing scarlet.

**Price**—Any of above varieties: Pkt., 15c; ½ oz., 30c; ¼ oz., 50c; oz., \$1.50.

## Mixed Colors Giants of California

All of the above lovely colors in a carefully blended mixture. Pkt., 15c; ½ oz., 25c; ¼ oz., 40c; oz., \$1.50.

## New Scabiosa Flowered Zinnia

This grand novelty from Europe should have a place in every garden. It grows to a height of 40 inches. We are able to furnish it in splendid mixture of colors. Price, pkt., 15c; ½ oz., 40c.



New Scabiosa Flowered Zinnia



# Hardy Perennial Plants and Seeds

Perennials planted once are always there; the flowers become better as plants grow older. It requires more time for the plants to come to flowering size when seed is planted. Sow the seed outside in early spring or summer and transplant when plants are large enough to place where you wish them to flower. To those desiring bloom the first season we offer plants which will give such results. (See prices below.)



You'll Enjoy a Rock Garden. For this purpose use any of the varieties marked (R)

## Alyssum (R)

- \***Saxatile Compactum** (Basket of Gold)—1 ft. May-June. Producing masses of golden flowers very early. May be planted effectively with Arabis. Seeds, pkt., 10c.
- \***Argentum**—1 ft. Dwarf, dense grower, yellow flowers, in bloom all summer, leaves silvery underneath. Seeds, 10c per pkt.

## Anthusa

- \***Italica, Dropmore Variety**—5 ft. June-July. Beautiful gentian blue flowers; one of the best perennials. Thrives best in partial shade. Seeds, pkt., 15c.

## Anemone

- St. Brigid's Strain**—May-June. Double and single mixed, 12 inches. A beautiful selection of the Coronaria varieties in a wonderful array of colors. Seeds, pkt., 20c.

## Agrostemma

- \***Coronaria Varieties Mixed**—Attractive free-flowering, producing bright colored flowers on long, slender stems like a single pink; blooms the first season; fine for cutting; 1 to 2 feet. June-September. Seeds, pkt., 10c.

## Anthemis

- \***Kelwayi** (Hardy Marguerite)—2 ft. Daisy-like yellow blossoms, produced all summer. Excellent for cutting. Seeds, pkt., 10c.

## Arabis (R)

(Rock Cress)

- \***Alpina**—6 in. Useful for spring bedding and rockeries; pure white flowers. Seeds, pkt., 10c.

## Hardy Asters

(Michaelmas Daisy)

Autumn flowering plants, blooming in a riot of color, usually until snow. About 3 to 5 ft. high.

\***Mixed—All Colors**

## Aconitum

(Monkshood)

Plants with bold spikes of hood-shaped flowers, thriving in either sun or shade.

**Fischeri**—A dwarf variety with pale blue flowers. 18 inches. September. Seed, pkt., 10c.

**Napellus** (True Monkshood)—3 to 4 feet. July to August. Large, dark blue flowers in a raceme. Seed, pkt., 10c.

**PLANTS**—Any of the above marked (\*) 15c per clump; \$1.50 per doz.; \$11.00 per 100. If by mail add 5c each or 30c per dozen for packing and postage. (R) These varieties are suitable for rock gardens.

## Dwarf Alpine Aster (R)

- \***Alpinus**—Indispensable for the rockery or edge of hardy borders, grows 6 to 10 inches high, showy bluish-purple flowers in May and June. Pkt., 25c.
- \***Albus**—Identical to the above, but with pure white flowers. Pkt., 25c.

## Achillea

(Milfoil or Yarrow)

- Ptarmica, The Pearl**—Pure white, double flowers all summer. Prized for cutting. Seed, pkt., 15c.
- Tomentosa (R)**—6 to 8 inches. July to September. Bright yellow flowers. Excellent for rockeries. Seed, pkt., 10c.

## Aethionema (R)

(Persian Candytuft)

- Near relatives of the Candytuft, these hardy little rock plants are of the most fascinating character.
- Persicum**—Slender spikes deep rosy pink. Seed, pkt., 25c.

## Anthemis (Marguerite)

Free-flowering perennials with attractive cut foliage and large daisy-like flowers. Succeed in poor soil but need full sun.

**Tinctoria Perry's Variety**—Two feet. A recent introduction. Large lemon-yellow daisies, in bloom all summer. Seeds, 25c per pkt.

## Asperula (R)

(Woodruff)

**Odoata**—6 to 8 inches high. May. Habit erect; leaves usually in a whorl of eight, finely toothed. Increases rapidly and is used for carpeting shady places and for edgings. Heads of snowy white flowers. Pkt., 10c.

## Aubrietia (R)

Excellent dwarf spreading plants for borders, beds or rock gardens, blooms early in spring, height 6 in. **Bougainvillei**—The dark blue flowers. Seeds, 25c per pkt.

**Eyri**—Rose-pink flowers. Seeds, pkt., 25c.

## Baptisia

(False Indigo)

**Australis**—Dark blue, pea-shaped flowers in June; suitable for hardy border or wild garden. Attractive foliage. 2 feet. Seed, pkt., 10c.



For Permanent Results  
Use P.-W.'s

# PERENNIAL PLANTS

Bleeding Hearts (*Dicentra*)—(See page 59).

## Bellis Perennis

(Double Daisy)

Improved giant double-flowering, white and pink. Seeds, pkt., 10c; plants, 50c per doz.

## Canterbury Bells

\**Calycanthemum* (Cup and Saucer)—Perennial—2 ft. June to August. White, pink, blue, mixed colors. Each of the above, pkt., 10c.

\**Campanula Medium* (Canterbury Bell)—2 ft. Double mixed or single mixed. Pkt., 10c.

\**Campanula Pyramidalis* (Chimney Bellflower)—Mixed. 5-6 feet. Pkt., 10c.

\**Carpatia* (Carpathian Harebell)—Compact tufts not exceeding 8 inches high; blooming from June until October. Seed, white or blue. Pkt., 15c.

\**Garganica* (R)—A gem for the rock garden. Forms a low spreading tuft which in June is covered with starry light blue flowers having a white eye. Exquisite hanging over a rock. Pkt., 25c.

## Carnation

After a few years' trial, we have proved these to be quite hardy with ordinary protection. Large, double flowers, in bloom all summer.

\**Double Mixed, Extra Choice*—Seeds, pkt., 15c.

## Cerastium

\**Tomentosum* (Snow in Summer)—4 inches. Silvery white foliage, covered with snow-white flowers in early summer. Seed, pkt., 15c.

## Centaurea

Good plants for the flower borders of wild garden, with thistle-like flowers. Blossoms in July-August.

\**Macrocephala*—Golden-yellow. 2½-3 ft. July-August. Seeds, pkt., 10c.

\**Montana Blue* (Hardy Corn Flower)—2 feet. June-September. Beautiful blue. Seeds, pkt., 10c.

## Cheiranthus

(Siberian Wallflower) (R)

*Allioni*—A beautiful rock plant. Dazzling fiery orange flowers, on stems about a foot high. Best used as a biennial as it frequently blooms itself to death. Seed, pkt., 10c.

## Chelone

(Shellflower)

Handsome perennials, growing about two to four feet high, and bearing numerous spikes of large flower heads. Summer and fall.

\**Barbata Torrey*—Terminal spikes of scarlet flowers. Seed., pkt., 10c.

\**Barbata Hybrids Praecox*—Rich, colored early flowering hybrids. Seed, pkt., 10c.

## Chrysanthemum

\**Old-Fashioned Types*—Double Aster-like flowers. Colors: red, bronze, white, pink, yellow (plants only).

\**Pom-Pom*—Miniature types. White, pink, bronze, yellow, red (plants only).

\**Japanese Types*—These are the hardier early flowering selections from those mammoth indoor or Greenhouse types. Yellow, pink, lavender and white (plants only).

## Calamintha (R)

\**Alpina*—A good rock plant or for the edge of the border, succeeds well in dry ground in a sunny position, small blue flowers in June. 6 inches, pkt., 25c.

## Columbine (Aquilegia)

\**P.-W.'s Long-spurred Hybrids Mixed*—A wonderful mixture containing all the beautiful tints and tones and color combinations, hardly two being exactly alike. Pkt., 15c; ¼ oz., 50c.

\**Double Flowering*—All colors, mixed. Pkt., 10c.



Columbine (Aquilegia)



Coreopsis New Semi Double

## Dianthus (Hardy Pinks)

\**Deltoides* (R) (Maiden Pink)—8 in. Delicate pink blossoms carried above fine, feathery foliage. Seeds, pkt., 25c.

\**Plumaris* (R)—These very desirable sweet-scented, low-growing, early blooming and free flowering Hardy Garden Pinks are unequalled for the borders. *Single Mixed and Double Mixed*—Seeds, pkt., 10c.

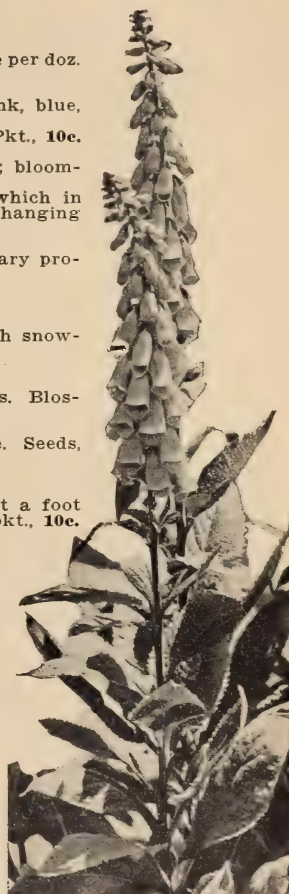
## Digitalis (Foxglove)

These produce spires of blossoms, 3 to 5 feet high in June and July.

\**Gloxiniaceflora, Mixed Colors*—Pkt., 10c.

## Doronicum

*Plantaginum Excelsum*—Large bright yellow flowers and one of the most effective very early spring flowers. It is also a splendid flower for cutting, as it carries well and stands a long time; succeeds everywhere. Plants, 30c each; \$3.00 per dozen; 10 seeds, 50c.



Canterbury Bells

## Edelweiss (R)

\**Leontopodium Alpinum*—4-5 in. June-July. The flowers are of downy texture, pure silver-white and star-shaped. Succeeds in almost any soil with full exposure to sun. Seeds, 25c per pkt.

## Euphorbia

\**Myrsinites*—3 in. June-July. Distinct grey trailer, large heads of yellow flowers. Seeds, 15c per pkt.

## Erinus (R)

\**Alpinus*—Forms pretty rosettes of foliage and racemes of blue flowers during May and June. A desirable rock plant; 4 inches. Seeds, 25c per pkt.

## Coreopsis

\**Lanceolata Grandiflora*—2 ft. Large, orange-yellow flowers on long graceful stems. About the best yellow cut-flowers blooming incessantly. Pkt., 10c.

\**Semi Double Grandiflora*—The beautiful semi-double flowers are considered by many, more attractive than the single type; otherwise the same as "Lanceolata." Pkt., 15c.

**PLANTS**—Any of the above varieties (\*) 15c per clump; \$1.50 per doz.; \$11.00 per 100. If by mail add 5c each or 30c per doz., for packing and postage. (R) These varieties are suitable for rock gardens.

Let Us Help You Plan Your "Outdoor Living Room"



# P-W's PERENNIALS—For Every Purpose



P-W's Wrexham Hybrid Delphinium

## Delphinium

\***Belladonna** (Light Blue)—3 ft.; flowers exquisite shade of turquoise blue. Pkt., 20c.

\***Bellamosum**—This is a dark blue of the Belladonna type with which it is identical in habit and growth, freedom of bloom. Pkt., 20c.

\***Chinese** (Chinese Delphinium)—Fine feathery foliage; profuse white or blue flowers from June until September. Excellent for beds, borders and cutting. Either White or Blue. Seed, pkt., 10c; 1/16 oz., 30c.

**P-W's Gold Medal Hybrids**—Height, 6 ft. Unquestionably one of the finest strains of mixed hybrids offered. Large flowers on spikes two feet and over, the majority running in the lighter shades of blue. Mixed colors. Pkt., 25c; large clumps, 20c each; \$2.00 per doz.; 10c per clump, postage extra.

**P-W's Wrexham Hybrids** Often referred to as the Hollyhock Strain because the stately spikes with their large, single, semi-double, and double blooms appear not unlike a spike of Hollyhock. Includes many colors. Pkt., 25c; 1/16 oz., 75c; large clumps, 20c each; \$2.00 per doz., postage extra—10c per clump.

## Ferns (R)

**Hardy Maidenhair Fern** — 1 foot. The best dwarf fern. Plants, 25c each.

**Hardy Lady Fern**—2 to 3 feet. Fine delicate fronds, will grow in sun if soil is kept moist. Plants, 25c each.

**Hardy Ostrich Fern**—3 to 4 ft. Stately handsome dark green fronds. Plants, 25c each.

## Feverfew (R)

(*Matricaria*)

**Little Gem**—A most useful border plant and valuable summer cut flower, with large, double white flowers; June until October; 18 to 24 inches high. Pkt., 10c.



Hibiscus (Mallow)

## Gaillardia

Flowers in June, and continues the entire season. Height, 18-24 inches.

\***Grandiflora Mixed** — Composite flowers, variegated with shades of red and yellow. Pkt., 10c.

\***New Hybrids**—Very large flowers. In a great variety of colors. Pkt., 25c.

## Iris, Germanica

(Flag Iris)

Avoid planting too deep, barely covering the rhizomes (creeping root stems) being sufficient. They are great drouth resisters. "S" refers to standards, "F" to falls.

**Crusader** "S" light blue; "F" deep violet-blue, with orange beard. Splendid color and form. 20c each; \$2.00 per dozen.

**Dream**—36 inches. "S" and "F" soft clear pink. A beautiful Iris of Pallida type.

**Eldorado**—"S" fiery opalescent. "F" purplish gold.

**Fairy**—"S" white, "F" fringed blue.

**Freida Mohr** 42 inches. A gigantic pink-toned Iris of perfect form and brilliant coloring. Fragrant. 50c each; \$5.00 per dozen.

**King of Iris**—"S" clear lemon yellow, "F" rich maroon, bordered yellow.

**Lohengrin**—Silvery mauve, both "S" and "F."

**Lorely**—"S" light yellow, "F" ultra-marine blue.

**Opera**—"S" bright rich pansy violet; "F" rich velvety violet-purple.

**Pallida Dalmatica**—Both "S" and "F" clear lavender blue.

**Shekinah** 36 inches. Clear soft yellow, shaded through the center. One of the finest yellow Irises. 20c each; \$2.00 dozen.

**Price**—Any of above, except where noted: 15c each; \$1.25 per dozen; \$9.00 per 100.

**Ass't Colors**—Orange, white, yellow, blue, lavender, pink, purple and mixed, 10c each; 90c per dozen; \$6.00 per 100, postpaid.

## Iris Siberica

(Siberian Iris)

**Orientalis**—Rich, violet-blue; very free and one of the best. June, 2 to 2½ feet.

**Geo. Wallace** (Azure Blue)—"F" marked white. Very attractive.

**Snow Queen**—Great merit; flowers snow white.

**Price**—20c each; \$2.00 per dozen; \$15.00 per 100.

**PLANTS**—Any of above varieties marked (\*) 15c per clump; \$1.50 per dozen; \$11.00 per 100. If by mail add 5c ea.; 30c per doz. for packing and postage. Varieties marked (R) are specially adapted for rock gardens.

## Gypsophila

**Paniculata Flore Pleno**—Improvement on the single-flowered type and more lasting, the flowers forming miniature balls of white petals. 2-3 ft. July-August. Not quite fixed, but about 25 per cent come true. Seeds, pkt., 25c.

\***Paniculata** (Baby's Breath)—2-3 ft. July-August. Small flowers on branched stems, so thick as to give the plant a white lace-like effect. Seeds, pkt., 10c.

\***Repens (R)**—Dwarf white Baby's Breath. Splendid in rockery. Seeds, 15c per pkt.

## Geum

\***Atrococcineum fl. pl.**—Pretty border plants, growing about 15 to 18 inches high, and producing from May to July brilliant scarlet double flowers—Pkt., 15c.

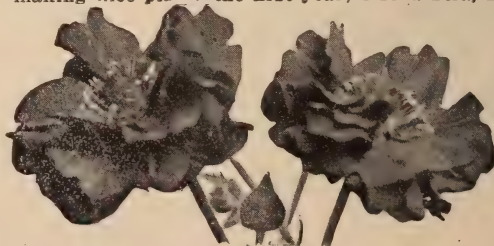
## Hardy Grasses

**Gyeium Argenteum** (Pampas Grass)—White silvery plumes; blooms the second season; 5 feet. Pkt., 10c.

**Eulalia Zebrina** (Zebra Grass)—Light green, barred with creamy white across foliage; 6 feet. Pkt., 10c.

\***Variegata**—Long, narrow, green leaves, striped with white, fine feathery plumes; 6 feet. Pkt., 10c.

\***Pennisetum Japonicum**—Easily grown from seed, making nice plants the first year; 4 feet. Pkt., 10c.



Geum, Atrococcineum



## Heuchera (Alum Root)

**Sanguinea**—2 ft. July-August. Long stems of large crimson-scarlet flowers. Splendid for cutting. Seeds, pkt., 25c.

## Hesperis

(Sweet Rocket)

**Matronalis**—Deliciously sweet scented flowers for gardens or cutting. 2-3 ft. June-August. Sow in spring in boxes and transplant in April or May—or sow in open ground in April for later bloom. **White or Purple**—Pkt., 10c; ½ oz., 35c.

## Helenium

\***Riverton Gem**—Covered from August to October with brilliant old gold and splashes of darker shades, changing later to wallflower red. 3½ feet. Pkt., 15c.

## Hibiscus (Mallows)

Shrub-like plants with handsome green foliage, bearing throughout summer large, bright flowers, from 3 to 5 inches in diameter. August-September. Very hardy. Suitable for garden and indoor use when cut 3 to 5 feet high.

\***Mixed Mallow Marvels**—Grand assortment. Seed, pkt., 10c.

## Helianthus

(Hardy Sunflower)

**Maximilian**—Small and graceful flowers of deep yellow on stems 2 to 4 feet long, blooming from August to October. Pkt., 25c.

**Perennial Varieties, Mixed**—Pkt., 15c.

## Hemerocallis

\***Flava** (Yellow Day Lily)—The best known variety; very fragrant, deep lemon-yellow flowers in June and July; height 2½ to 3 feet.

## Hollyhock

One of the best hardy garden flowers. Makes a charming hedge or background. 6 to 8 feet. August-September.

\***Double Varieties**—White, Maroon, Rose, Black, Salmon, Yellow, Crimson. **Mixed**—Each color, pkt., 10c.

\***Single Varieties**—Red, Pink, Black, Flesh, Rose, White, Salmon. **Mixed**—Each, pkt., 10c.

## Iberis (Perennial Candytuft)

Dwarf evergreen plants, 6 to 10 inches, covered with blooms in spring and early summer. Excellent for rockeries or borders where bright dwarf masses are wanted.

\***Gibraltarica** (R)—Pinkish white. Seed, 10c per pkt.

\***Sempervirens** (R)—Flowers from a sheet of whiteness. Seeds, 15c per pkt.

## Incarvillea

**Delavayi** (Hardy Gloxinia)—2 ft. June. Splendid gloxinia flower, borne in large, bright rose umbels. Likes a sunny situation. Seeds, pkt., 25c.

## Lathyrus Latifolius

(Everlasting Pea)

Very decorative climbing vines. Bloom all summer. 6 feet.

**Pink, White, Crimson and Mixed**—Pkt., 10c.

## Lavandula (Lavender)

\***Vera**—This is the true Sweet Lavender; grows about 18 inches high; delightfully fragrant, blue flowers in July and August. Seeds, pkt., 10c.

## Liatris (Blazing Star)

\***Pysnostachya**—Showy and attractive native plants, succeeding anywhere, producing large spikes of light rosy-purple flowers in July and August; 5 feet. Seeds, pkt., 10c.



Linaria Dalmatica

## Linaria (R)

\***Cymbalaria** (Kenilworth Ivy, or Mother of Thousands)—Lavender and purple. Hardy trailing plant, suitable for baskets, vases, pots and rock work. Seeds, pkt., 10c.

\***Dalmatica**—Large, bright yellow flowers, borne at the tops of the branches in a long, loose spike; 3 to 4 ft. June-September. Seeds, pkt., 10c.

**Linaria** (Honesty)—See page 41.

## Linum (Flax)

\***Perenne**—A desirable plant for the border or rockery, growing 1½ feet high, with light, graceful foliage and large, blue flowers all summer. Pkt., 10c.

## Lupinus (Lupine)

Effective plants, producing large spikes of flowers; blooming in May and June. They require only well-prepared garden soil, preferably in a semi-shady location. 3 feet.

\***Polyphyllus**—Clear blue. Pkt., 10c.

## Lychnis Campion

\***Chalcedonica** (Jerusalem Cross)—A most desirable plant, heads of brilliant orange-scarlet in June and July; grows 2 to 3 feet high. Pkt., 10c.

## Myosotis

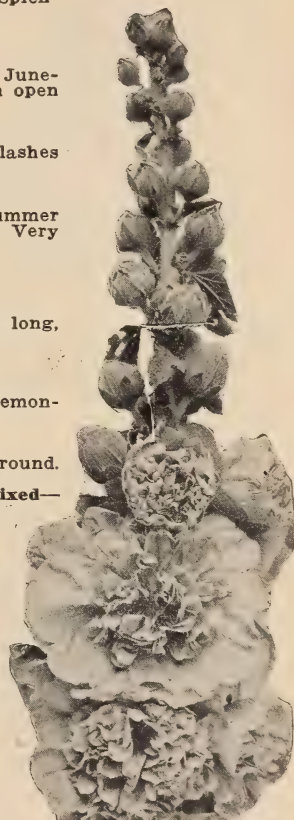
(Forget-Me-Not)

\***Palustris Semperflorens**—Dwarf blue, in flower from early spring until autumn. Seeds, pkt., 20c.

## Nepeta (R)

(Ground Ivy)

\***Mussini**—Neat bushes of small lavender-like foliage covered with terminal spikes of lavender-blue flowers, both foliage and flowers aromatic. For beds, edging or Rock Garden. May to September. Seeds, pkt., 25c.



Double Hollyhock

**PLANTS**—Any of above varieties marked (\*) 15c per clump; \$1.50 per dozen; \$11.00 per 100. If by mail add 5c each or 30c per dozen for packing and postage. Varieties especially adaptable for Rock Gardens are marked (R) immediately after the name.



# PERENNIALS—For Rock Gardens, Borders, Permanent Beds

## Papaver (Poppy)

- \***Nudicaule** (Iceland Poppies)—15 inch. Mixed. Elegant free flowering plants bearing flowers in abundance all summer. Pkt., 10c.
- Nudicaule yellow, orange, white.** Each color, pkt., 10c.
- \***Oriental Red**—For gorgeous coloring the Oriental Poppies have few rivals among hardy plants. 3 feet. Pkt., 10c.
- Oriental Hybrids, Mixed**—Pkt., 10c.

## \*Phlox Subulata (R)

(Moss or Mountain Pink)

An early spring flowering type with pretty moss-like, evergreen foliage, which, during the flowering season, in April and May, is hidden under the masses of bloom. An excellent plant for the rocky, the border and invaluable for carpeting the ground or covering graves. We supply three colors—**White, Pink and Purple.**

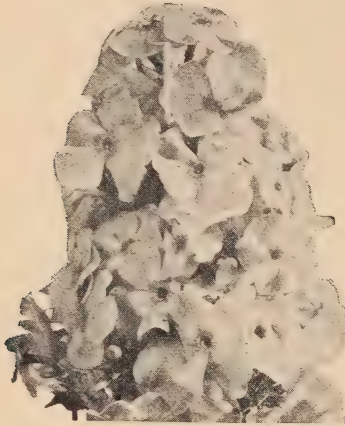
## Phlox (Hardy Perennial)

Phlox are a garden in themselves, succeed in almost any soil and position, and flower freely for many years.

- B. Comte**—rich French purple. **Beacon**—bright cherry-red.
- Commander**—crimson, dark eye. **Michael Buchner**—pale lavender.
- Mrs. Jenkins**—pure white. **Rheinlander**—salmon-pink.
- Richard Wallace**—white, red eye. **Rosenberg**—wine purple.
- Ryndstrom**—deep, rose-pink. **Thor**—deep salmon-pink.
- Price**—Any of above plants, each, 25c; dozen, \$2.50 ..

### Collection of Hardy Phlox

- The five varieties are described above—**B. Comte, Beacon, Michael Buchner, Richard Wallace, and Thor.**
- No. 71**—One each (5 roots prepaid, value \$1.50).....\$1.40
- No. 72**—Three each (15 roots prepaid, value \$4.50).....\$3.75



"Thor" Phlox

## Pentstemon

(Beard Tongue)

The Pentstemons bloom persistently through the summer, and are found very useful for cut flowers or for color masses in the garden. Easily grown in any garden soil.

- \***Lg. Flowering Newest Hybrids**—Splendid asst. colors. Seeds, pkt., 15c.

## Physalis

- \***Franchetti** (Chinese Lantern Plant) — 1½ feet. Flowers yellow with dark center. Produces balloon-like husks which turn bright red when ripe and resemble Chinese lanterns. Seeds, pkt., 10c.

## Physostegia

- \***Virginiana**—Dense bushes with spikes of delicate pink tubular flowers. 3 ft., June-September. Seeds, pkt., 10c.

## Potentilla (Cinquefoil)

- \***Nepalensis** Miss Willmott—Foliage is gray green; flowers salmon-pink, freely produced throughout the summer. Excellent for rock gardens. Seed, pkt., 25c.

## Rudebeckia

- \***Hirta** (Black-Eyed Susan)—2-3 ft. Rich golden-yellow with central black disc. Seeds, pkt., 15c.
- \***Laciniata fl. pl.** (Golden Glow)—July-October. Yellow. 5 to 7 feet. 1 pkt. of 20 seeds, 25c.
- \***Purpurea Grandiflora**—3 ft. September; large, handsome crimson-purple flowers with dark central disc. Pkt., 10c.

## Santolina (R)

(Lavender Cotton)

A sweet smelling, dwarf, evergreen with delicate, silver-white foliage useful as rock or border plants. One foot.

## Saxifraga (R)

These will thrive in any kind of soil and in any position; grow about 1 foot high and are admirable for the front of the border or shrubbery.

- \***Cordifolia**—Light pink. Pkt., 25c.

## Platycodon

- \***Grandiflorum**—1-2 ft. Large handsome, deep blue flowers. Seeds, pkt., 10c.

## Polemonium

(Jacob's Ladder)

- \***Coeruleum** (Greek Valerian)—2 ft. Beautiful sky-blue skies. Pkt., 10c.
- Grandiflorum Album**—Pure white. Pkt., 10c; ¼ oz., 25c.
- Reptans (R)**—8 to 10 inches. April to June. Dwarf, bushy plant of graceful growth. Showy blue flowers. Pkt., 15c.

## Primula (R)

- \***Auricula**—6 inch. Flowers in early spring in colors of yellow, brown, and red. Pkt., 10c.
- \***Veris** (Elatior) (Grandiflora)—The pale yellow Oxlip, bearing flowers in umbels. An extra choice, large flowered mixture strain. Pkt., 20c.

**PLANTS**—We furnish plants of the varieties marked (\*) listed above. Prices, except where otherwise noted **Field-Grown Plants:** 15c each; \$1.50 per dozen; \$11.00 per 100. If by mail, add 5c each; 30c per dozen, for postage and packing.

## Pyrethrum

Charming colors and wonderful lasting properties as a cut flower; flowers in May and June, and frequently in August and September; in all shades of rose and pink.

- \***Roseum, Double Mixed**—Extra choice, selected seed. Only a small percentage will be double, balance will be semi-double and single in fine variety. Pkt., 25c.

- \***Roseum, Single Mixed**—Pkt., 15c.

## Salvia

- \***Pitcher** (Meadow Sage)—Makes a grand showing in the fall and is without a doubt one of the best of all autumn blue flowers. August and September. 4 feet. Pkt., 10c.

## Saponaria (R)

- \***Ocymoides**—Very showy, hardy rock plant, producing during the summer months masses of small, bright rose flowers; 9 inches. Pkt., 10c.

## Sedum (R)

- Acre** (Golden Moss)—May-June. Yellow, 3 in. Pkt., 25c; plants, 30c each; \$3.00 dozen.
- Brilliant**—June-July. Scarlet, 12 in. Pkt., 25c; plants, 30c each; \$3.00 dozen.
- Stolonifera**—Flat, succulent leaves; flowers purplish-pink; July and August; 6 inches. Pkt., 25c; plants, 30c each; \$3.00 dozen.

**Collection No. 73—Twenty-five Perennial Plants**  
Not more than three of a kind; our selection. Easily grown, very showy. Delivered, \$4.00.



Saponaria Ocymoides



# Both Seeds and Plants—P.-W.'s PERENNIALS

## Shasta Daisy

\***Alaska**—2 ft. Wonderful show of large, white flowers. Fine for cutting. Blooms all summer Pkt., 10c.

## Statice (Sea Lavender)

Large, spreading panicles of light graceful flowers, much prized for winter decoration; dried.  
\***Latifolia**—2 ft. Dense branching plumes of deep blue flowers. Pkt., 10c.

## Sidalcea

\***Rose Queen**—Erect branching plants 2 to 3 feet, producing during June and July pretty, mal-low-like flowers, about an inch in diameter. Bright rose color.

## Silene (Catchfly) (R)

\***Schafta** (Autumn Catchfly)—A charming border or rock plant from 4 to 6 inches high, with bright pink flowers from July to October.

## Solidago (Golden Rod)

Hardy, free flowering, and showy perennial—all yellow-flowered borne in terminal, arching racemes. Native of North America, and member of the daisy order.

\***Virgo-aurea Alpestris**—10 in. Yellow spring. Pkt., 15c.

## Sweet William (R)

\***Single Giant-Flowered Mixed**—Pkt., 10c.

\***Double Giant-Flowered Mixed**—Pkt., 15c.

**Separate Colors**—Single pink and red. Pkt., 10c.

## Stokesia

(Stokes Aster)

\***Cyanca**—18 in. July-Oct. Flowers rich blue, like a giant corn-flower, very distinct. Seed, pkt., 10c.

## Thalictrum

(Meadow Rue)

\***Aquilegifolium**—Graceful foliage like that of Colum-bine, and rosy purple flowers from June to July. 2 to 3 feet.

## Tritoma

(Red-Hot Poker)

\***Grandis** (Pfitzer)—Orange-scarlet. 3 ft. August-Sep-tember. Seeds, pkt., 15c.

## Tunica (R)

\***Saxifraga**—A pretty tufted plant with light pink flowers, produced all summer. Useful either for the rockery or the border. Pkt., 10c.



Yucca Filamentosa (Adam's Needle)

**PLANTS**—Any of the varie-ties on this page marked (\*) 15c per clump; \$1.50 per dozen; \$11.00 per 100. If by mail, add 5c each or 30c per dozen for packing and postage. Var-ieties espe-cially adapt-able for Rock Gardens are marked (R) immediately after the name.

**For Annuals**  
see pages  
35-50



Tritoma Grandis

## Valeriana

(Garden Heliotrope)

\***Coccinea**—Showy heads of old rose flowers. June to October. 2 feet. Pkt., 10c.

## Veronica (Speedwell)

\***Longifolia Subsessilis** (Japanese Speedwell)—The showiest and best of the Speedwells; from a bushy plant 2 to 3 feet high with long dense spikes of deep blue flowers from the middle of July to early in September. Pkt., 15c.

\***Rupestris** (R)—A fine rock plant 3 to 4 inches high; thickly matted deep green foliage, a cloud of bright blue flowers; May. Pkt., 15c.

\***Rupestris Nana** (R)—Prostrate and creeping, form-ing a dark green carpet of shiny foliage which is covered with deep blue flowers in late April and early May; 1 inch high; one of the best early blue rock plants known. Pkt., 15c.

## Vinca (R)

Valuable for rockeries or makes a grand ever-green carpet under and about shrubs and trees.  
\***Minor** (Grave Myrtle)—4 in. June. Green foliage, large, blue flowers. Plants, 20c each; doz., \$2.00; 100, \$12.00. Seeds, pkt., 10c.

## Viola (R) (Viola Odorata)

\***Jersey Gem**—Possesses the dwarf habit and continu-ity of blooming of the true horned Viola (V. cor-nuta), and vigorous, bushy growth and roundish foliage of the finest English bedding varieties. Pure, rich violet, slightly perfumed. Seeds, pkt., 25c.

\***Sweet Violet**—Deep blue, single; extra large. Seeds, pkt., 10c; Plants, 15c ea.; \$1.50 doz.; \$10.00 per 100.

## Yucca

\***Filamentosa**—5-6 ft. or more. June-July. Handsome creamy-white flowers, much branched and densely packed with bloom, with sword-like foliage. Seeds, pkt., 10c.

1-year plants, 25c each; \$2.50 dozen.

## P.-W.'s Rock Garden Plant and Seed Collections

For a list of Rock Garden plants see pages 50 to 55. Varieties especially adaptable are marked (R) immediately after the name.

These are fascinating collections of our own selec-tion. Great care has been made to assemble only such hardy varieties best adaptable to the Rock Gar-den, all are properly labeled.

### ROCK GARDEN SEED COLLECTION NO. 76

One packet each of 10 choice varieties (regular value \$1.25) sent postpaid for \$1.00.

### ROCK GARDEN SEED COLLECTION NO. 77

Two packets each of 15 choice varieties (30 packets in all, regular value \$3.75), for \$2.75, postpaid.

### ROCK GARDEN PLANT COLLECTION NO. 78

One plant each of 10 choice varieties for \$1.50, prepaid.

### ROCK GARDEN PLANT COLLECTION NO. 79

Two plants, each of 12 varieties, our special selection for \$3.50, postpaid.

**Special leaflet on "Rock Gardens" sent free with each of the above collections.**



# Bedding Plants for Every Purpose



*Beds of Geraniums, Ageratums, Centaureas, and Sweet Alyssum at our Centerville Trial Grounds.*

From our Centerville Greenhouses we are able to supply a complete selection of Bedding Plants—both potted and grown in flats. They are ready for planting out when warm weather begins, usually the latter part of April or in May in the Salt Lake Valley. The plants we offer are either grown from the choicest seeds or cuttings from select stock plants. They will surely please the most critical. (For Perennial plants see pages 50-55.)

## Annual Seedling Plants

(Ready May 25 to June 15)

These are strong plants transplanted stock, flat grown, from choicest seed strains of the following varieties:

<b>Ageratum</b> —Dwarf Blue	<b>Pentstemon</b> —Mixed
<b>Alyssum</b> —Dwarf White	<b>Petunia</b> —Bedding Mixed
<b>Asters</b> —Mixed	<b>Phlox</b> —Drummond Mixed
<b>Candytuft</b> —Mixed	<b>Scabiosa</b> —Mixed
<b>Clarkia</b> —Mixed	<b>Salvia</b> —Scarlet
<b>Cosmos</b> —Mixed	<b>*Snapdragon</b> —Mixed
<b>Larkspur</b> —Mixed	<b>*Stock</b> —10 weeks Mixed
<b>Lobelia</b> —Dwarf Blue	<b>*Verbena</b> —Mixed
<b>Marigold</b> —African Mixed	<b>*Zinnia</b> —Mixed
<b>Marigold</b> —French Mixed	

Price—30c per doz.; \$1.75 per "flat" of approximately 100 plants. If by mail add 15c per doz. for postage and packing.

(\*) Marked varieties can be furnished in separate colors at same price.

## Pot Grown Plants

These plants are grown from cuttings from selected stock plants. Ready from April 15 to June 15. Prices f.o.b. Salt Lake City. If wanted by mail add 10c each extra for postage. We recommend express shipment where possible.

	Size	Each	Doz.
<b>Acanthus</b> —Red Foliage	2½ in.	15c	\$1.50
<b>Begonia</b> —Assorted	2½ in.	15c	1.50
<b>Coleus</b> —Brilliant Colored Leaves	2½ in.	15c	1.50
<b>Geraniums</b> —Double Asst. Colors	3 in.	25c	2.50
<b>Geraniums</b> —Variegated Leaved	2½ in.	15c	1.50
<b>Geraniums</b> —Ivy Leaved	3 in.	25c	2.50
<b>Geraniums</b> —Martha Washington	3 in.	30c	3.00
<b>Ice Plant</b> —Dwarf Trailer	2½ in.	15c	1.50
<b>Marguerite</b> —White Daisy-like	2½ in.	15c	1.50
<b>Petunias</b> —Giant Double Fringed	2½ in.	15c	1.50
<b>Petunias</b> —Giant Single Fringed	2½ in.	15c	1.25
<b>Vinca</b> —Variegated Leaved Trailing	2½ in.	15c	1.50
<b>Wandering Jew</b> —Variegated	2½ in.	15c	1.50



Cannas for Beds and Borders

## P.-W.'s Pansy Plants

Without qualification these plants are excelled by none for beauty, variety of color and markings. Grown with the utmost care from the world's best mixture of Pansy seed, it is not putting it too strong when we say, "Positively there are none better." First bloom about April 1. Prices: Large plants in bloom, per dozen, 30c; 100 plants \$2.00—add 15c per dozen for postage.

**Important**—Plants sent by mail have but little soil left on roots, and should receive careful attention upon arrival. If they appear withered, place in lukewarm water for an interval of ten to fifteen minutes. This will revive them.

## P.-W.'s Cannas

Cannas are the most economical and effective plants employed in our Gardens. They bloom from early summer until frost in all sections of the country, succeeding in any sunny position in any kind of soil, but responding quickly to liberal treatment. For best results the beds should be spaded about two feet deep, and a generous amount of well-decayed manure of any kind thoroughly incorporated, and at all times freely watered. They are most effective when planted in masses of one variety, setting out the plants about two feet apart. The dormant roots should be planted inside in February or March and transplanted out-of-doors in the middle of May when weather is warm and settled. Do not water too freely until well started, then they should have an abundance. Plants 18 inches apart. We list below four of the best Cannas in cultivation:

**Hungaria** 3½ feet. The best pink Canna. Leaves bluish green, never burn. Flowers very large, with immense petals. Three-inch pot plants.

**King Humbert** Four feet. Scarlet flowers, bronze foliage; greatest favorite today. This remarkable "Gold Medal" Canna has been the sensation of the past twelve years. It is a cross between the orchid-flowering and the French or Cozy type, combining the best features of both, the large flowers of one with the free-blooming character of the other, and the handsome broad, tropical foliage.

**The President** Four feet. In color a rich glowing scarlet with immense rounded flowers, seven inches across when fully open, are produced on strong stalks well above the heavy foliage. Free bloomer and strong grower.

**Yellow King Humbert** Four feet. Foliage a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red; measuring 5 to 7 inches across, individual petals 3 to 3½ inches in diameter. An orchid flowering sport of the well-known variety King Humbert.

**Price—Dormant Roots** — Extra large size any of above, each, 15c; dozen, \$1.50, postpaid. Not prepaid, \$1.25 per dozen; \$9.00 per 100.

**P.-W.'s Canna Collection Offer No. 80**—One strong dormant root each of above four varieties for 50c, postpaid.

**Canna Plants** Strong, well established pot grown plants, ready in May. All of the above named varieties, each, 25c; dozen, \$2.50; 100, \$15.00. Plants all f.o.b. Salt Lake. We recommend express shipment.



# P.-W.'s Assortment Spring BULBS



Caladium (Elephant's Ear)

## Apios Tuberosa

Splendid hardy climber. Will grow to a height of 8 to 10 feet. Vine and foliage resembling a Wistaria; deep purple color; fragrant. Each, 15c; doz., \$1.50; 25 for \$2.50, prepaid.

## Cinnamon Vine

A rapid growing climber, taking its name from the peculiar fragrance of the delicate white flowers. Leaves heart-shaped, bright glossy green, growth rapid. Each, 10c; dozen, \$1.00, postpaid.

## Lily of the Valley

(Convallaria Majalis)

**American Pips** (for outside planting)—Extra strong clumps, 40c each; \$5.00 per doz. **Pips**, 25 for \$1.00; 100 for \$3.50.

## Madeira Vine

One of the most popular climbers, succeeds in any location, doing best, however, in a sunny sheltered place; foliage very dense. Strong tubers. Each, 10c; dozen, 90c, postpaid.



Tuberosa Double Dwarf Pearl

## Begonias

**Tuberous Rooted**—Unexcelled for summer bedding, such as lawn beds and borders. Make fine pot-plants. When fully exposed to the sun the beds must be kept moist.

**Single or Double Sorts**—Red, orange, rose, and mixed. Bulbs, 1½-2 in., each, 25c; doz., \$2.50; 100, \$18.00, prepaid.

## Caladium or Elephant Ear

Plant in rich soil and give plenty of water. With such treatment a selected size bulb will make a plant about 4 feet high, with leaves 3 feet long and 20 inches wide. First size, large bulbs, each, 25c; dozen, \$2.50.

## Tuberosa

**Double Dwarf Pearl**—Lovely waxy double flowers, very fragrant. For open ground culture, plant in May or June in a warm location. Each, 10c; dozen, 75c; \$5.00 per 100, postpaid.

## Ask for Our Fall Catalog

Hyacinths, Tulips, Narcissus, Hardy Lilies, Etc.

### For Fall Planting

These are supplied by us in great variety. The Dutch Bulbs come to us in car load lots direct from Holland's most critical growers.

## P.-W.'s Beautiful Hardy Lilies

The sorts offered below can be planted with excellent results during the early spring months. It is in the hardy border that lilies do best, as they get the benefit of the shade of the surrounding plants, which is so necessary for their welfare; other varieties should be planted in the autumn, and are offered in our autumn catalog.

**Auratam (Golden-banded Japan Lily)**—Undoubtedly one of the finest. Its large, graceful, fragrant flowers are composed of six petals of a delicate ivory-white color, thickly studded with chocolate-crimson spots and striped through the center a golden-yellow; 3 to 5 feet. July-September. Plant bulbs 8 to 10 inches deep. Large flowering bulbs. Each, 35c; dozen, \$3.50.

**Regale (Myriophyllum)**—This new variety from Western China is admittedly one of the most beautiful Garden Lilies yet introduced. It grows 3 to 5 feet high, and blooms out of doors in July. It is perfectly hardy and flourishes under very varied conditions, the large trumpet shaped, delicately scented flowers, which are produced freely, are ivory-white, shaded pink, tinged with canary yellow at the base of the petals. Plant 8 inches deep, strong flowering bulbs, 6 to 7 inches. Each, 15c; dozen, \$1.50.

**Superbum**—One of the most satisfactory Lilies that can be planted either in the garden or in meadows. Often grows over 8 feet high and produces 20 to 30 orange-red flowers in July when flowers are apt to be rather scarce. Plant bulbs 5 inches deep in moist peaty soil for best results. Each, 20c; dozen, \$2.00.

**Tigrinum Splendens (Tiger Lily)**—Because it is so widely cultivated in this country this lily has come to be looked upon as native, but it originally came from China and Japan. The flowers are orange, spotted purple, opening in August and September on 2-3 foot stems. Plant bulbs 9 inches deep. Each, 25c; dozen, \$2.50; per 100, \$17.50.

**Speciosum Rubrum (The Lance-Leaved Lily)**—Thousands being grown each year in greenhouses. The typical form is white, flushed pink, and heavily spotted with carmine. The stem is about 4 feet high and has fresh, green, lance-shaped leaves, and the frilly flowers face downward and carelessly roll back their petals, while the stamens and pistil curl way out. A very beautiful lily, perfectly hardy, very seldom diseased and a late August and early September bloomer. Plant the bulbs 8 to 10 inches deep. First size, bulbs. Each, 35c; dozen, \$3.50; 100, \$25.00.



HARDY LILY COLLECTION  
No. 55

One each of the five lilies listed here (retail value \$1.30) all for \$1.00 postpaid.

Regal Lily



# GLADIOLUS—for Garden Display

A succession of bloom may be had from July to October by making planting two weeks apart from the end of June. To make a good show they should be planted from three to four inches apart each way, the large bulbs being covered about six inches deep, small ones about three to four inches. Six and over furnished at dozen rates; 25 and over 100 rates. **Delivery Charges on all Gladiolus Are Prepaid at Catalog Prices.** All prices are based on first size bulbs, unless otherwise noted.



Purple Glory Gladiolus

**Betty Nuthall**—A warm, light coral with pale orange throat and a light feathering of carmine. The florets are often six inches across, of splendid substance and placement. Each, 7c; dozen, 65c; 100, \$4.50.

**Crimson Glow**—Exceedingly rich brilliant crimson flowers. Each, 5c; dozen, 45c; 100, \$3.00.

**Dr. F. E. Bennett**—A peach-red overlaid, with flame-scarlet, throat stippled with ruby and white. A very large, attractive red with plenty of vigor. Each, 7c; dozen, 70c; 100, \$3.50.

**Flaming Sword**—Extra large flowers of a beautiful flaming spectrums-red color. Very showy. Each 4c; dozen, 40c; 100, \$3.00.

## P.-W.'s PRIZE WINNER COLLECTIONS OF SIX SPECIAL MERIT GLADIOLI

These collections contain—Betty Nuthall, Minuet, Paul Pfitzer, Pink Wonder, Veilchenblau and W. H. Phipps.

No. 81—12 bulbs (2 of each, value, 82c) for .....\$ .70

No. 82—24 bulbs (4 of each, value, \$1.64) for .....\$1.20

No. 83—48 bulbs (8 of each, value, \$3.28) for .....\$2.25

**Giant Nymph**—A giant-flowered light rose-pink with creamy yellow throat. It contains some Primulinus blood. Each, 5c; doz., 50c; 100, \$3.50.

**Golden Dream**—A clear deep golden-yellow with flowers of good size. Each, 5c; dozen, 45c; 100, \$3.25.

**L. Immaculee**—Pure waxy white. Each, 5c; dozen, 50c; 100, \$3.50.

**Los Angeles**—Shrimp-pink with orange-carmine throat. Each, 5c; doz., 45c; 100, \$3.00.

**Marmora**—It is large, stately, and most unusual in colors which are lavender gray with petunia colored blotch. Each, 7c; doz., 70c; 100, \$5.00.

**Minuet**—Clear light lavender with just a hint of opalescent shading. In our opinion this is still the finest of all lavender varieties. 7c each; 70c per doz.; \$5.00 per 100.

**Mrs. Frank Pendleton**—A lovely salmon-pink with brilliant deep red blotches in the throat. Each, 5c; doz., 45c; 100, \$3.00.

**Mrs. Frederick C. Peters**—Beautiful shade of rose-lilac, with crimson blotch bordered white on lower segment; resembling an orchid in color. Flowers very large. Each, 5c; doz., 50c; 100, \$3.50.

**Mrs. Francis King**—A striking shade of scarlet. Each, 4c; doz., 40c; 100, \$3.00.

**Mrs. Von Konynenburg**—A charming light blue Gladiolus forming tall elegant spikes. An excellent color. Each, 7c; doz., 70c; 100, \$4.50.

**Mrs. H. E. Bothin**—Light salmon-pink with flame-scarlet center. A showy variety with ruffled petals. Each, 5c; doz., 50c; 100, \$3.50.

**Mrs. Leon Douglas**—Magnificent large blooms on long, heavy spikes. A brilliant Begonia-rose, striped orange and scarlet. Each, 5c; doz., 50c; 100, \$3.50.

**Pink Wonder**—A real wonder with immense flowers of splendid texture and artistic placement. The color is a lovely La France pink, pale in the throat but increasing in intensity toward the edges of the petals. Each 5c; dozen, 50c; 100, \$3.50.

**Rose Ash**—Peculiar soft, old-rose tones, fading to ashes of roses on the outer edges of petals. Each, 5c; doz., 45c; 100, \$3.00.

**W. H. Phipps**—Clear pink overlaid with light rose-salmon, lighter toward the center. Lower petals very faintly striped and more speckled with ruby. Flowers enormous. Each, 6c; doz., 60c; 100, \$4.00.

**Veilchenblau**—The color is a beautiful violet-blue, lightening toward the center. The entire flower appears, at the first glance, to be made of blue velvet the sheen is so beautiful. Each, 9c; doz., 85c; 100, \$6.00.

**P.-W.'s Superb Mixed**—Our special mixture from the best named and hybrid Grandavenis, Childs and European types. A well blended combination of all colors, shades and combinations. Dozen, 35c; 100, \$2.50.

## Ruffled Varieties

**Crinkles**—Attractively ruffled and crinkled. Color deep pink. Each, 8c; doz., 75c; 100, \$2.50.

**E. J. Shaylor**—Splendid new pure deep pink, ruffled. Each, 5c; doz., 45c; 100, \$3.00.

**Orange Glory**—Large ruffled, grand orange colored, with beautiful lighter throat. Very rich and striking color. Each, 5c; doz., 50c; 100, \$3.75.

**Paul Pfitzer**—Rich amaranth-red with a striking velvety sheen. Very attractive—the blooms being arranged artistically on a long spike. Each, 7c; dozen, 70c; 100, \$5.00.

**Purple Glory**—Deepest velvety maroon red, faint shading of purple with almost black throat. Beautifully ruffled. Each, 6c; doz., 60c; 100, \$4.00.

**Rose Glory**—A very large and beautiful ruffled variety. Purest rose-pink color, deeper throat, extra fine. Each, 7c; dozen, 70c; 100, \$5.00.

**Scarlano**—Ruffled flower, excellent for cutting. The mammoth blooms are a bright orange-red color. Each, 5c; doz., 50c; 100, \$3.50.

**Tycko Zang**—Ruffled, clear salmon-pink blooms with a white throat faintly dotted with deep cerise. The blooms are well placed on a fine, straight spike. Each, 5c; doz., 50c; 100, \$3.50.

**White Glory**—A gorgeous pure white of extra size. Nicely ruffled with beautiful iris blue throat. Grand. Each, 8c; dozen, 80c; 100, \$6.00.

## Primulinus Type

**Alice Tiplady**—Orange-saffron. Each, 4c; doz., 40c; 100, \$2.75.

**Maiden Blush**—An exquisite pink with lighter throat. Very dainty flower on graceful spike. Each, 4c; doz., 40c; 100, \$2.75.

**Souvenir**—One of the best yellow Primis. Large flowers of purest color. Each, 4c; doz., 40c; 100, \$2.75.

**Primulinus Hybrids**—Orchid-like flowers, slender, strong spikes. Colors brilliant and beautiful. Mixed colors. Dozen, 35c; 100, \$2.50.

## A Colorful Garden of Gladioli for \$1.00

### COLLECTION NO. 84

A dollar never bought more of beauty than our Special Offer of 50 Flowering Size Bulbs of P.-W.'s Glorious Gladioli, including not less than Five Varieties for \$1.00. Rarely are flowers of the highest merit the most easily grown and surest of success. But such is the case with Gladioli. If there is room for a single flower in the garden it should be this.

50 BULBS, Flowering Size, not less than 5 Varieties, post-paid, for \$1.00



# P.-W.'s Beautiful Double PEONIES

Peonies will do well in almost any garden soil. The roots should be placed so that the crowns are covered with two or three inches of soil. Too deep planting is a frequent cause of shy flowering.

**NOTE:**—Figures following varieties indicate the rating given them by the American Peony Society. The highest rating a peony can receive is 10. There is no variety yet with such a rating; 9 is excellent, 8 is very good, 7 is good.

## Prices Include Delivery Charges

**Albert Crouse.** 8.6.—Bomb type. Late. Shell pink. Center slightly flecked crimson. Large, compact and vigorous. **45c each; \$4.50 per dozen.**

**Baroness Schroeder.** 9.0.—Rose type; late. White with shading of flesh. This is one of the finest Peonies. Its immense flowers of great substance with high chalice-shaped center are freely produced lasting a long time. Very fragrant. **40c each; \$4.00 per dozen.**

**Belloiz.** 8.0.—Large, bright currant-red shaded amaranth. **35c each; \$3.50 per dozen.**

**Duchesse de Nemours.** 8.1.—Guard petals white, center lemon-yellow, cup-shaped; at first it develops into a large bloom, gradually fading to white; fragrant; strong grower and free bloomer. Extra good commercial variety. **25c each; \$2.50 per doz.**

**Duchess d'Orleans.** 7.6.—Medium to large; dark carmine-pink and salmon; bomb type; fragrant. A profitable cut flower as it blooms freely and ships well. Midseason. **25c each; \$2.50 per dozen.**

**Eduis Superba.** 7.6.—This is the famous Decoration Day Peony. Color a beautiful bright, clear pink, with silvery reflex. **25c each; \$2.50 per dozen.**

**Felix Crousse.** 8.4.—Large, ball-shaped bloom; very brilliant red. One of the finest self-colored varieties. **35c each; \$3.50 per dozen.**

**Festiva Maxima.** 9.3.—The finest white in cultivation. **25c each; \$2.50 per dozen.**

**Grover Cleveland.** 8.2.—Rose type. Late. Dark crimson. Very large and full. Tall. One of the best red varieties. **50c each; \$5.00 per dozen.**

**Karl Rosenfeld.** 8.8.—Large, globular, compact, semi-rose type. Dark crimson. Midseason. Very fine. **50c each; \$5.00 per dozen.**

**L'Eclatante.** 7.2.—Bomb type. Midseason. Flowers very double and full; color deep, brilliant velvety-crimson. **40c each; \$4.00 per dozen.**

**Madame De Verneville.** 7.9.—Bomb type, early. Full and double, of the purest white suffused with faintest blush except a few cream-colored petals and four red flakes on central petals. Rose fragrance. **25c each; \$2.50 per dozen.**

**Madam Leonie Calot.** 8.1.—Milky-white, flesh tinted flecked with crimson. Late midseason. **40c each; \$4.00 per dozen.**

**Marie Jacquin.** 8.3.—Midseason. Semi-rose type. Known as the "Water-Lily Peony." Very interesting on account of its variable forms. Color is a most delicate flesh tint that gives way to lilac-white. Semi-double; blooms in profusion. **50c each; \$5.00 per dozen.**

**Mme. Jules Dessert.** 9.4.—White, shaded with buff and Salmon tints, large flower. Medium height, strong grower. Midseason. A superior variety. **90c each; \$9.00 per dozen.**

**Mons. Jules Elie.** 9.2.—Immense globular, very full flowers. Color glossy lilac-pink, shading to deeper rose at base, the entire flower overlaid with a sheen of silvery hue. Early midseason. **50c each; \$5.00 per dozen.**

**Mons. Martin Cahuzac.** 8.8.—Dark purple-garnet with black reflex. Perhaps the darkest colored peony in existence. Much sought after by fanciers. **\$1.25 each.**  
**Officialis Alba.**—Extra early, large, old-fashioned double white, **50c each; \$5.00 per dozen.**



Grover Cleveland

**Officialis Rosea.**—Extra early double rose pink. **50c each; \$5.00 per dozen.**

**Officialis Rubra.**—Extra early, large globular, brilliant crimson. The very popular old time "Piney" first of all in Peonies to bloom in the spring. **45c each; \$4.50 per dozen.**

**Philomele.** 7.7.—Striking flower. Guards bright violet-rose. Center deep golden yellow, changing to amber-cream with small crown of bright rose, edged crimson. Midseason Anemone type. An unusual sort, **50c each; \$5.00 per dozen.**

**Richard Carvel.** 8.8.—Bright crimson. Large, bomb type; tall, profuse bloomer. Very fragrant. A magnificent early Peony. **75c each; \$7.50 per dozen.**

**Rubra Superba.** 7.2.—Magnificent rich brilliant crimson. Very large, full, and double. Highly fragrant. Decidedly the best late red Peony. **40c each; \$4.00 per dozen.**

**Sarah Bernhardt.** 9.0.—Apple blossom pink; late midseason. One of the strongest growing varieties, flowers of remarkable size, full and double, of unusual perfection of form. Color a beautiful mauve-rose with silver tips. **75c each; \$7.50 per dozen.**

**Therese.** 9.8.—Violet-rose, changing to lilac-white; midseason. Considered by the American Peony Society the most nearly perfect peony in cultivation. **\$1.25 each; \$12.50 per dozen.**

## Unnamed Double Peonies

Strong 3-5 eye divisions of good varieties which we have in surplus. We furnish these in separate colors.

**Red, White and Pink,** at 25c each; \$2.50 per dozen.

## Fern Leaved Peony

**Tenuifolium.**—A very interesting, early flowering, red variety that is seldom found in catalogs. It is so distinct from all other varieties that it deserves a place in every collection. Its delicate fringed, fern-like foliage always attracts attention. It blooms very early, before the popular Chinese varieties. Our stock is limited. Price **\$1.50 each; \$15.00 per dozen.**

## P.-W.'s "Prize Half Dozen" Peonies Collection No. 86

One large root each of the following:

**Baroness Schroeder**—White    **Marie Jacquin**—Flesh  
**Karl Rosenfeld**—Dark red    **Richard Carvel**—Red  
**Mons. Jules Elie**—Deep pink    **S. Bernhardt**—Pink

(Regular Value \$3.50) All for \$2.75 Postpaid

## New Japanese Peonies

**Akaku (Japan)** 8.1.—Very large deep carmine flowers of uniform color. Clear even tone, fine form and immense in size. Huge center of saffron yellow petaloids. Fine grower and free bloomer. **\$1.25 each.**

**Fusuyama (single)**—Soft flesh-pink, changing to white with age; large flowers. **\$1.00 each.**

**Mikado** 8.6.—Japanese; dark, brilliant crimson petals, center cushion of golden yellow petaloids, crimson edged; long, wiry stems; an exquisite flower. **\$1.00 each.**

## P.-W.'s Peony Collection No. 85

Here is a splendid selection of a half dozen best standard varieties as follows:

1 **Festiva Maxima**                      1 **Felix Crousse**  
1 **Duchesse de Nemours**            1 **Eduis Superba**  
1 **Officialis Rubra**                    1 **Albert Crousse**

(Regular Value \$2.00) **\$1.60 Postpaid**

## Bleeding Hearts

(Dicentra)

**Spectabilis.**—Its long racemes of graceful heart-shaped pink flowers are always attractive. Is perfectly at home in any part of the hardy border and especially valuable for planting in the shade. Strong roots. Each, **40c; doz., \$4.00.** 3-year roots **60c each; in cans, 75c.**

**Exima (R).**—Plumy Bleeding Heart. Dwarf, 12 inches. Racemes of pendant pink flowers borne above fine cut feathery foliage. Plants, each, **40c; doz., \$4.00.**



# P.-W.'s DAHLIAS—Special Merit



Peony Flowered Type of Special Merit Dahlias

**CULTURE**—Plant when danger of frost is over. If possible plant in an open, sunny situation. Prepare the soil thoroughly by deep digging. Be moderate in the use of both manure and water. Never plant when soil is wet. Lay the tuber flat on its side and cover it four to five inches deep, pressing the soil firmly on the tuber. Keep the soil loose and mellow by frequent hoeing, drawing the soil to a slight hillock around the plant.

**Barbara Redfern (Decorative)** — A wonderful combination of old rose and old gold. The outside of the petals is dull gold, the reverse is delicate old rose. Both colors show at the same time. A mammoth sized flower with great depth, borne on a heavy, stiff stem. Each, 35c.

**Champagne (Decorative)**—One of the largest and a model for shape, habit of growth, stem, freedom of flowering, and distinct color; very aptly described as golden champagne with chamoise shadings. Each, 35c.

**Eleanor Vanderveer (Decorative)** — Rose-pink, very large with excellent stem. A strong grower and free bloomer. Highly recommended for all purposes. Each, 35c.

**Jane Cowl (Decorative)** — A success wherever grown, and one of the most talked of novelties. Color, a warm buff and old gold, blending to apricot and rose at the center. Bush growth is ideal with strong stems holding the giant flowers upright. Sure to please. Each, 40c.

**Kathleen Norris (Decorative)** — Blooms of gigantic and splendid proportions. A showy, true rose-pink shading to coral-pink when fully open. Each, 50c.

**Edna Ferber (Hybrid Cactus)**—Very large and full with curved shaggy petals. Stems long and rigid. Color, coral shaded to old gold. One of the best of modern dahlias. Each, 50c.

**Jersey's Beacon (Decorative)** — A decided novelty of Chinese scarlet with a paler reverse, giving a two-toned effect. An exhibition flower of vigorous growth, excellent stem. Each, 35c.

**The "Kiwanian" (Peony Type)** — Large and perfect in form, measuring 8 to 9 inches normally. Disbudded it will reach 11 to 12 inches. Among the very best of the peony type. Color, rich American Beauty red, shading to purple red. Height, 5 feet. Each, 40c.

**Guardian (Cactus)**—Intense red. Flowers large with very narrow pointed petals. Stems long. Each, 50c.

**Lewis, Jr. (Cactus Hybrid)** — Large gorgeous red, shading deeper to the center; outer petals curved and twisted, showing a violet blue on back. Perfectly formed, excellent bloomer. The stems are long and stout, making it a fine cut flower. A blue dahlia. Each, 35c.

**Mariposa (Hybrid Cactus)** — A delightful true pink, intensified by a deeper center; a faint violet suffusion adds to the effect. The veining of the petals heightens the beauty and increases the novelty of the coloring. Each, 35c.

**Ophir (Decorative)** — The flowers are of good size and of fine form, the petals are slightly relaxed giving a very pleasing appearance. In color a rich old gold, shading to amber. Each, 35c.

**Pride of Fort Morgan (Decorative)** — A giant intense red, 9 to 12 inches across. Each, 50c.

**Ninfea (Hybrid Cactus)**—Color, a soft lavender pink, shading to creamy white in center. Its petals greatly resembling a water-lily, from which it derives its name. Each, 50c.

**Radio (Decorative)**—One of the greatest dahlias. Can be grown 11 to 12 inches in diameter. Color, blood red, edged and tipped with yellow. Must be seen to appreciate its beauty. Each, 50c.

**Rosa Nell (Decorative)**—Color is a pure bright rose, so rich, strong and rare, that in color it stands alone. Its keeping qualities the best. Each, 50c.

**Tommy Atkins (Decorative)** — The richest glister in the sunshine, an exhibition flower that always attracts attention, a giant size. Each, 50c.

## P.-W.'s Bargain Collections of Special Merit Dahlias

This is your opportunity to get a collection of some very fine special merit Dahlias of our own selection at a real bargain price; good color assortment guaranteed.

**No. 87—Six** named Special Merit Flowered Dahlias, our choice, value over \$3.00, for \$1.75.

**No. 88 — Twelve** named, Giant-Flowered Dahlias, our choice, value over \$6.00, postpaid, for \$3.25.



Decorative Type of P.-W.'s Special Merit Dahlias



# For Garden and Cutting—DAHLIAS

## Cactus Types

**Bertram S. Varian**—Brilliant deep scarlet, incurved form. Each, 25c.  
**Bride's Bouquet**—Ideal white, profuse bloomer. Each, 25c.  
**Countess of Lonsdale**—Color, an exquisite shade of salmon. Each, 25c.  
**Elsie Bonnell**—A gorgeous, velvety maroon. Each, 25c.  
**Emily Russel**—Color, American Beauty red. Each, 25c.  
**Golden West**—Long stems. Color, deep golden-yellow. Each, 35c.  
**Rollo Boy**—A delicate shade of amber shading to old gold. Each, 35c.

### P-W's Surprise Box of 13 Choice Dahlias No. 90

In this charming collection we will supply a "Baker's Dozen" or 13 choice Dahlias. While they are unnamed there are no two alike. This collection is made up not from inferior sorts but those which we have in surplus, some of which are high priced. You will be agreeably surprised when these come into bloom. We offer them at an unusually low price.

The Entire Collection of 13 All for \$1.75, Postpaid

## Decorative Types

**Amun Ra or The Sun God**—Giant copper and orange shading to gold and amber, deepening in the centre. Each, 35c.  
**Avalon**—Immense golden-yellow. Each, 25c.  
**Bashful Giant**—Very large. Color, apricot with golden shadings. Each, 25c.  
**Kittie Dunlap**—Color, American Beauty Rose. Large, petals broad with a slight tendency to roll. Each, 25c.  
**Jersey's Beauty**—Finest real rose-pink. Each, 35c.  
**Millionaire**—Most delicate lavender. Each, 25c.  
**Mrs. Carl Salbach**—Lavender-pink. Immense. Each, 25c.  
**Mrs. Thos. Burch**—Rich old gold, sometimes marked with pink, shading to fawn. Each, 25c.  
**Mrs. I. De Ver Warner**—Deep mauve pink. Each, 50c.  
**Pride of California**—Very large, full vivid red. Exceptionally fine. Each, 35c.  
**Princess Juliana**—Splendid pure white. Each, 25c.

**P-W's Dahlia Collection No. 91.** Your selection of one each of any six of the above named Decorative Dahlias, \$1.25, postpaid.

## Peony Flowered Types

**Chicota**—Large golden-yellow. Long stems. Each, 25c.  
**La Glorietta**—Yellow base, shading to a beautiful rosy-pink. Ea., 25c.  
**Mme. Bystein**—Beautiful, pure lilac-lavender; large size and lovely form. Each, 25c.  
**Naiad**—Cream pink. Exceptionally beautiful under artificial light. Each, 25c.  
**Queen Esther**—Large, deep red. Long stems. Each, 35c.  
**Queen Wilhelmina**—Fluffy, pure white. Each, 25c.  
**Sweetheart's Bouquet**—Unique shading of salmon-rose, shaded with fawn. Each, 25c.  
**The Oriole**—A gorgeous combination of burnt orange, red and yellow. Each, 25c.

**P-W's Dahlia Collection Offer No. 92**—Your selection of one each of any six of the above Peony Flowered Dahlias for \$1.25, postpaid.



Type of Peony Flowered Dahlia

## Show and Fancy Types

**Dr. I. B. Perkins**—Large, pure white, long stems. Each, 25c.  
**Golden Opportunity**—Rich buttercup yellow, shaded burnt orange. Each, 25c.  
**Geo. K. Gero**—Clear, rich pink. Each, 25c.  
**Mrs. C. D. Anderson**—Stems long. Color, rich clear purple. Early and very prolific bloomer. Each, 35c.  
**Miss Helen Hollis**—The largest deep scarlet show dahlia. Each, 25c.  
**Mrs. J. P. Smith**—A rich red with cherry flush; great bloomer. Each, 25c.  
**The Rose**—Very large; color American Beauty rose. Ea., 25c.  
**W. W. Rawson**—Pure white, overlaid with delicate lavender. Each, 25c.



Typical Show and Fancy Dahlia



Typical Cactus Dahlia

### P-W's Dahlia Offer No. 93

—Your selection of one each of any six of the named Show and Fancy Dahlias for \$1.10, postpaid. (See below.)



Typical Decorative Dahlia

## Pompon Dahlias

These miniatures are very attractive for cut flowers:

**Amber Queen**—Amber.  
**Dee Dee**—Lavender.  
**Joe Fette**—White.  
**Little Jewel**—Pink.  
**Vivid**—Bright red.  
**Yellow Gem**—Bright yellow.  
 Any of the above, each, 25c; doz-  
 en, \$2.50.



# The Charm and Comfort of Your Own Home Grounds

You — and countless thousands of other home-makers, from one end of the country to the other, have promised that—"This year we, too, will have an outdoor living room," where, away from household cares and worries, you can work among shrubbery and flowers to your heart's content, free from prying eyes; and provide **A Safe Playground for Your Children.**



The above photograph was taken the first year from planting. Every additional season will bring astonishing developments. Start your "Outdoor Living Room" this year.

**Everyone Should Have an Outdoor Living Room—**It costs so little and adds so much to the joy of living! Plan it as you would a room within your home! Let the sod provide a soft, velvety carpet of rich green. Plant trees, shrubs and evergreen to give privacy. Add color and fragrance by means of hardy flowers. Then set a few trees to provide comfortable shade and perhaps fruit for your table.

**You Can Make All This Come True!**—Start planning right now. You'll be pleasantly surprised at the small investment required.

**Just Send Us a Postal Card Asking for Our Free Sketch Blanks Which Will Enable You to Give Us the Necessary Information.** We will then prepare a plan for you, incorporating original ideas, giving you a practical and artistic effect throughout the year.

**NOTE—For owners of larger places —** Schools, Parks, etc.—We are prepared to make plans by mail, but suggest a personal survey by our Landscape Architect. Our terms are reasonable for such service and will be stated in correspondence.

## Water Gardens

Water Gardens are now all the "rage" and rightly so, for what is there that would give the "Outdoor Living Room" a more distinctive touch than a charming Lily Pool.

If your yard is too small for a large pool, you can at least enjoy in miniature. An attractive pool can be made in a small tub which requires a space no larger than four by four feet. Even with such an improvised pool you can transform an uninteresting spot into a center of interest in your Home Grounds.

## Miscellaneous Aquatic Plants

For marginal and shallow water planting and aquariums.

- \***Anacharis (Elodea) Canadensis Gigantea** (Giant Water Weed)—A beautiful submerged plant with dark green ovate leaves and light stems. 20c each; \$2.00 per dozen.
  - \***Cabomba Viridifolia** (Washington Grass)—A pretty and popular submerged plant. 20c per bunch; \$2.00 per dozen.
  - Cyperus Alternifolius** (Umbrella Plant) — 20c each; \$2.00 per dozen.
  - Eichornia Crassipes Major** (Water Hyacinth)—Flowers lilac rose in trusses like a Hyacinth. A floating plant. 15c each; \$1.50 per dozen.
  - Limnorchis Humboldtii** (Water Poppy) — Flowers yellow, in profusion all summer—leaves and flowers floating—one of the best for shallow water or tub cultivation. 20c each; \$2.00 per dozen.
  - \***Ludwigia Mullertii**—Small ovate leaves green above and pink on the under side. 20c each; \$2.00 per dozen.
  - Myriophyllum proserpinacoides** (Parrot's Feather)—20c each.
  - \***Sagittaria Sinensis** (Giant Sagittaria)—Broad dark green leaves. 20c each; \$2.00 per dozen.
  - Zizania Aquatica** (Wild Rice)—20c each; \$2.00 per dozen.
- \*These are suitable for aquariums.



## P.-W.'s Rainbow Assortment of Five Best Hardy Water Lilies

Water Lilies are ready April to June. Ask for free Water Lily leaflet giving cultural directions.

- (1) Rose pink, each, 75c (3) Bronze, each, \$2.50
  - (2) Crimson, each, \$2.00 (4) Pure White, each, 50c
  - Collection No. 931 (5) Bright Yellow, each, \$1.25
- One each of the above (5 in all) for \$6.00, prepaid.



# The "Outdoor Living Room" Has Won the NATION



The "Grass Carpet" is an important factor in the beauty of the "Outdoor Living Room." (See front cover for P.-W.'s Lawn Seed Mixtures for best results.)

## P.-W.'s "Golf Links" Grass Mixture

Prepared with the object of producing a thick turf that will stand the hard usage suffered by the average Fairway. For the Golf Course, Teeing Ground, Football and Polo Fields and other Athletic Grounds, or for the Lawn which has to withstand hard wear, this mixture will give perfect satisfaction. We prefer to prepare special mixtures to suit the location and soil to be seeded. In ordering, please state whether low and wet, high and dry, sandy or clayey as the case may be, and we will send a mixture specially adapted to the condition you name. Where large tracts are shown, we quote special prices.

**P.-W.'s Special Golf-Course Mixture for Fair-Greens**—10 lbs., \$3.75. (Write for quantity prices.)

**P.-W.'s Special Putting-Green Mixture**—10 lbs., \$12.00. (Write for quantity prices.)

## P.-W.'s Grass and Clover Seed Mixtures

**For Permanent Meadows, Pastures, Marginal and Range Lands**

Our well-balanced mixtures are made up of a number of native and acclimated grasses and clovers, blended in such a way as to best suit the climatic and soil conditions found in our intermountain regions. We have aimed in these splendid combinations to supply such varieties that will form a deep-rooting turf and that will yield, year after year, the greatest amount of hay or furnish the most constant and abundant pasturage. To the dairyman or farmer who has lands adapted for pastures the value of a carefully prepared seed mixture can be hardly estimated. With these mixtures and with the proper kinds of dairy cows, it is possible to realize at least one hundred and fifty dollars per acre annually from every acre that has been carefully seeded and attended to.

The following mixtures will be found desirable and well proportioned for the kind of soils specified:

**P.-W.'s Mixture No. 1. For Meadows and Pastures**—Our well balanced mixture for general use on average soils in the Western States. Sow 25 pounds per acre. Lb., 35c, postpaid. Not prepaid, 10 lbs., \$3.00. (Write for quantity prices.)

**P.-W.'s Mixture No. 2 (For Upland Pasture Under Irrigation)**—The main varieties of this combination are Brome, Crested Wheat, Perennial Rye, Orchard, Meadow Fescue, Red Clover, Lucerne, and Tall Meadow Oat. Sow 25 lbs. per acre. Lb., 35c, postpaid. Not prepaid, 10 lbs., \$3.00; 100 lbs., market price.

**P.-W.'s Mixture No. 3 (For Low and Moist Soils)**—Consisting chiefly of Red Top, Perennial Rye Grass, Meadow Fescue, Timothy, Alsike Clover, White Clover, Orchard and Kentucky Blue Grass. Sow 25 lbs. per acre. Lb., 40c, postpaid. Not prepaid, 10 lbs., \$3.25; 100 lbs., market price.

If your soil does not come under any of the above classes, please write the particular character of your soil and we shall be pleased to name price of mixture best suited.

### Morton Pasture Mixture (For Upland Irrigated Soils)

This is especially adapted to upland soils where water is available for irrigation. It is made up of Brome Grass, Orchard, Meadow Fescue, Timothy and Yellow Blossom Sweet Clover. An acre seeded to this combination will take care easily of 4 to 7 dairy cows. Seed required per acre, 20 to 25 lbs. Price, lb., 30c, postpaid. Not prepaid, lb., 20c; 10 lbs., \$1.85; 100 lbs., \$15.00.



Beautiful Lawns, Putting-Greens and Fair-Ways at Salt Lake Country Club, Where P.-W.'s Grass Seeds Have Been Used.

**Write for Quantity Prices—Market Fluctuates Rapidly**

Turn Farm Losses in Profits—Plant P.-W.'s Grass and Clover Seed Mixtures



# GRASS SEEDS for Range, Meadow and Pasture

Our stocks are critically grown, of highest germination and purity. Prices fluctuate. Write for prices.



Western Alkali Grass

**Bromus Inermis** (Hungarian Brome Grass)—Remarkable drouth resister, not injured by frost. Sow 20 to 30 lbs. per acre. Pound, 35c, postpaid. Not prepaid, 10 lbs., \$3.00.

**Orchard Grass**—Furnishes pasture three weeks before any other, and after close grazing a ten days' interval is sufficient for another growth. Makes a heavy sod, which remains for years. Sow from 20 to 25 pounds per acre. Pound, 35c, postpaid. Not prepaid, 10 lbs., \$2.50; 100 lbs., market price.

**Johnson Grass**—This variety is considered a pest in the South, but it is highly valued by stock raisers in this climate on account of its extreme hardness in dry, unfavorable situations. Sow at the rate of 30 pounds per acre. Price, lb., 30c, postpaid; 10 lbs., \$2.50, not postpaid. Ask for special price on quantities.

**Kentucky Blue Grass**—Remains green from early spring until snow flies in the fall. It will do well on almost any land. Sow in the fall or spring, 30 pounds per acre. 21 lb. seed, Pound, 45c, postpaid. Not prepaid, 10 lbs., \$4.00; 100 lbs., market price.

**English or Perennial Rye Grass**—Produces an abundance of foliage. Thirty pounds per acre spring or fall. Pound, 30c, postpaid. Not prepaid, 10 lbs., \$2.00; 100 lbs., market price.

**Meadow Fescue** (English Blue Grass)—Excellent for hay and pasture. Succeeds even in poor soil, roots penetrate deep, stands extremely dry weather. Sow in spring or fall at the rate of 30 pounds to the acre. Lb., 35c, postpaid. Not prepaid, 10 lbs., \$3.00.

**Timothy**—Of hay grasses Timothy leads all. Succeeds on clay or heavy loams, lowlands or in mountainous districts. Alone, sow 12 pounds to the acre, or with clover, 10 pounds Timothy and 6 pounds clover. Pound, 30c, postpaid. Not prepaid, 10 lbs., \$2.50; 100 lbs., market price.

**Tall Meadow Oat Grass**—Out-yields Timothy or Orchard Grass, and affords better grazing, becoming very popular. Sown alone, use 30 pounds to the acre, either spring or fall. Pound, 50c, postpaid. Not prepaid, 10 lbs., \$4.00; 100 lbs., at market price.

**Red Top**—Reaches highest perfection in moist, rich soil. Sow 25 pounds per acre. Lb., 30c, postpaid. Not prepaid, 10 lbs., \$2.00; 100 lbs., market price.

**Sudan Grass**—Sudan is a tall annual grass, reaching to a height of from 7 to 9 feet when planted in rows and allowed to mature for a seed crop; broadcast and cut "in the bloom" for hay, about four feet. It dies each year. Should not be planted until all danger of frost is past. Plant in rows, thirty-six inches apart, using about two pounds of seed; where irrigated, plant in rows eighteen inches apart, using from 4 to 6 pounds per acre. Price, 1 lb., 25c, postpaid. Not prepaid, 10 lbs., \$1.75; 100 lbs., market price.

**Crested Wheat Grass**—It was brought in from Siberia by the Government Experiment Station. Growers are very enthusiastic about its merits. It is very early, the first to be green in the spring and the last to dry up in the fall. For range, pasture and hay it is most highly recommended. It will prove a valuable addition to the meadows and ranges of the West. Lb., 60c, postpaid. Not postpaid, 10 lbs., \$5.25; 100 lbs., market price.

**Western Alkali Grass**—The seed is very fine and as it stools it should be sown very thin for a permanent crop. Seeding can be done any time from September 1 until spring; broadcast right on the snow and not after the snow is gone and land dries off and starts to crack. Use "Cyclone" seeder, sowing two pounds per acre for meadow or pasture. It is better to keep stock off in the spring, while plant roots are forming and the ground is soft. When instructions are followed, this grass will grow and produce a large crop, on either white or black alkali. It will make a fair crop the first year and a full crop the second year, and stand more summer drouth than any grass I have ever seen. The third year will be still better than the second. Price: pound, \$1.00; 5 lbs., \$4.75; 10 lbs., \$9.00.

**Red or Chewings Fescue**—This grass spreads out, forming a plant one foot in diameter, making a solid, compact turf of a dark green color. It grows exceedingly well on soils of a sandy nature, and is now recognized as one of the leading grasses for putting greens. Prices: lb., 60c, postpaid. Not prepaid, 10 lbs., \$5.50; 100 lbs., market price.

**Reed's Canary Grass**—A tall grass with flat leaves and an elongated spike-like panicle, native throughout northern America in wet ground, where it is an important forage grass. Recommended for planting in parks and along banks of streams or ponds. Lb., \$1.25, postpaid. Not prepaid, 5 lbs., \$5.50.

**Western Wheat Grass (Dryland)**—This grass is a boon for the cattle and sheepmen of the West. It grows in very dry, arid sections and produces wonderful forage for cattle and sheep. An acre of Slender Wheat Grass will pasture more sheep than that of any other variety. There is nothing better for sheep pasture in the canyons or in the flats than this variety. Price, lb., 35c, postpaid. Not prepaid, 10 lbs., \$2.25; 100 lbs., \$17.50.

See page 63 for The Grass and Clover Seed Mixture suitable to your soil. Don't fail to inoculate all clover seed with McQueen's Inoculate (see page 75).

On dry range lands sow "Crested Wheat" and "Western Wheat" Grasses. On swamp lands sow "Reed's Canary Grass."

## SUCCESS WITH WESTERN ALKALI GRASS

A customer from Myton, Utah, writes as follows: "Five years ago I drove fifty miles to examine a field of so-called alkali grass that I had heard would grow in any kind of alkali ground. I found a field of this grass growing in the worst kind of alkali ground."

"I took up a stool of the grass, about as big around as my two fingers, and transplanted it in some of my alkali ground at Myton, and it did so well that the next year I purchased some seed and sowed, with equally as good results."

"My experience has been that this is the only forage plant of any value for alkali ground, as stock like it and do well on it."

Western Alkali Grass is a boon to all owners of alkali lands; begin this year to cash in on these waste lands. Western Alkali Grass is the answer.



# Wonder Crop of the West (Lucerne)-**ALFALFA**



## Why Alfalfa Pays Best of All Crops

1. Alfalfa is easier to start than clover.
2. It withstands drought because of its long penetrating roots.
3. It is the most nutritious hay for livestock.
4. It makes dairying pay better.
5. It also makes good green feed for poultry.
6. It is the best of all soil builders.
7. It exterminates weeds by crowding them out.
8. Good alfalfa seed brings a good price.
9. It is unequalled for hog pastures.

Prices on all Alfalfa and Clover Seeds subject to market changes. Ask for quantity prices. Seamless bags extra, at cost. Inoculate all Clovers. (See page 75.)



**Grimm Alfalfa** This variety is especially recommended for shallow soils or those underlaid with hardpan. The claim made for it is that in addition to extreme hardness it has spreading roots instead of a single toproot and that it makes underground creeping stems. We offer as follows:

**"White Tag"**—Certified Purity 98.5%. Lb., 35c, postpaid.

**"Blue Tag"**—Certified seed, purity 99.25%. Price, 40c per lb., postpaid.

**"Purple Tag"**—Certified seed, purity 99.50%; removed not more than three generations from stock of introductor. Price, 50c per lb., postpaid.

**Hardy Desert Alfalfa** This splendid variety has been a boon to the farmers wherever planted. It stands head and shoulders above them as a drouth resister. "Hardy Desert" is a selection from the far famed Utah Dry Land type. It will live and thrive in the most trying arid situations where all others fail. Its roots pierce the soil until moisture is reached, even a depth of twenty to thirty feet has been traced in some dry localities. It produces even under adverse conditions but in favorable situations under irrigation it is a prodigious yielder. As a dairy, poultry or stock feed it is unexcelled. Very desirable also as a rotate crop since it supplies the much needed nitrogen and humus. All in all no more profitable crop has been grown in this region. Our seed is genuine, thoroughly re-cleaned and dependable. Fancy grade, lb., 35c, postpaid. Not prepaid, 10 lbs., \$2.75; 100 lbs., market price.

## Clovers

**Alsike** Is recommended both for sowing with Timothy and also with the Red and Mammoth Clovers, as well as for a hay crop by itself. It does not winter-kill. The use of Swedish Alsike Clover is increasing rapidly; cattle prefer it to other clovers. It is very fine for honey bees. Sow at the rate of six or eight pounds per acre; sown in mixtures, five or six pounds per acre is sufficient. Lb., 40c, postpaid. Not prepaid, 10 lbs., \$3.50; 100 lbs., market price.

**Medium Red** (*Trifolium Pratense*) — Is a dependable, all-around variety for farmers and stockmen. It makes two crops each year. Sow either in the spring or fall at the rate of fifteen pounds to the acre. Lb., 35c, postpaid. Not prepaid, 10 lbs., \$3.00; 100 lbs., market price.

## SWEET CLOVER

**White Blossom** (*Mellilotus Alba*) — As a money-maker this has been rightfully named "Alfalfa's Twin Sister." Its value in the redemption of alkaline lands cannot be overestimated. It grows in a variety of soils—heavy, light, wet or dry, almost anywhere, except in acid soil. Sow at the rate of 10 to 14 pounds per acre. Cover the seed very lightly. Lb., 20c, postpaid. Not prepaid, 10 lbs., \$1.35; 100 lbs., market price.

**Yellow Blossom** (*Mellilotus Officinalis*)—Same family as White Blossom Sweet Clover but it is not so prolific in growth and flowers are yellow instead of white. For bee pasture, we believe it to be equally valuable. Lb., 20c, postpaid. Not prepaid, 10 lbs., \$1.35; 100 lbs., market price.

## How to Handle Sweet Clover

Read what Mr. Schaerrer, a successful Utah farmer, says:

"Sweet Clover. A splendid feed, a wonderful fertilizer and soil builder. Second to none. In the early spring plant 10 to 12 pounds of clover seed per acre with seeder attached to grain drill planting both Sweet Clover seed and grain at same time. With 2 or 3 irrigations will insure a good crop of both grain and clover. When grain is ripe, cut the grain rather high leaving one foot of stubble. When grain is harvested irrigate clover once more and it will give you from four to six inches more of splendid feed, first year. Then harvest as you would alfalfa hay, gaining one and one half tons of splendid feed the first year.

Sweet Clover does not winter kill the first year and the following year it makes a very rapid growth. By the middle of May the clover will be from 12 to 15 inches high, then plow under as a fertilizer. Roots are very soft and easily plowed. This year the roots die leaving a well fertilized soil for any crop. Potatoes and sugar beets double their yield following this method.

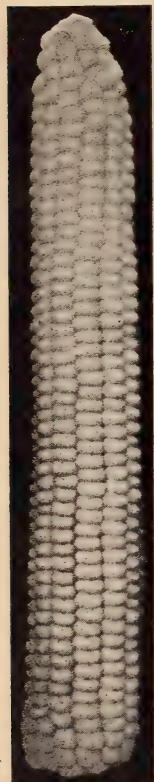
The value of Sweet Clover cannot be over-estimated for feed and soil builder, at such a small cost."



# FARM SEEDS For All Purposes

## Field Corn for Ensilage

Generally speaking, the seed should be sown in drills 3 feet apart, using 15 to 40 pounds of seed per acre, depending not only on the soil, but also for the purpose for which silage is to be used. Whenever less grain and more bulk is desired more seed may be planted to the acre, giving a greater amount of leaf and stalk but less ear corn.



Australian White Flint

**P.-W.'s Silo Corn No. 1**—It is our selection from Improved Leaming and will mature its grain in 100 days, even under unfavorable conditions; and about 90 days where climate, conditions are suitable. You will never regret giving it a trial this year. See below for price.

**P.-W.'s Silo Corn No. 2**—This is a shorter growing variety than P.-W.'s Mountain States Silo Corn No. 1, the height ranging from 8 to 12 feet, depending upon soil and other conditions. Consequently the fodder tonnage is less, but it makes up this loss to a large degree in the increase of grain yield. See below for price.

**North Dakota Flint**—Excellent white variety, very popular. Small cob, early maturing. Lb., 20c, postpaid. Not prepaid, 10 lbs., \$1.50; 100 lbs., market price.

**Reid's Yellow Dent**—Best all around purpose Yellow Dent. Deep yellow, lighter cap; closely packed, slightly rough, grains dented on top. Leaves and stalks make fine ensilage and fodder. Matures in 110 days.

**Australian White Flint (90 days)**—The earliest and surest variety. Will endure more drouth and cold than any other variety known. Grows to a height of six to ten feet. Price: lb., 20c, postpaid. Not prepaid, 10 lbs., \$1.50; 100 lbs., market price.

**P. W.'s Improved Leaming**—Ripens in 90 to 100 days. Extra early; not a hardy flinty corn. We can furnish both Utah and Nebraska grown.

**Minnesota No. 13**—The ears are of handsome appearance, bearing 16 to 20 rows of bright, rich yellow, smooth, wedge-shaped kernels packed closely on the cob from butt to tip. Matures in 90 days.

**Northwestern Dent**—Early red dent, extremely hardy—will produce a crop when all other dents fail. Matures in 90 days.

**Pride of the North**—An exceptionally early Dent variety. Stalks of medium height with broad leaves. For cold valleys where seasons are short it is not excelled.

**Boone County White**—This is an excellent White Dent variety, maturing in 150 days. It is a great favorite among growers. One of the best for either grain or ensilage. See below for prices.

**Any of above, except where otherwise noted**—pound, 20c, postpaid. Not prepaid, 10 lbs., \$1.50. Write for quantity prices.

**Canada Field Peas** This is a small-seeded, very hardy pea, vigorous, thrifty, growing 5 to 6 feet, very productive. Can't be beat for all purposes. A wonderful crop for fattening sheep, hogs, and cattle and very valuable poultry feed. For early crop sow 30 to 40 pounds per acre; for late sow 60 to 80 pounds per acre. Inoculate. See page 75. Lb., 20c, postpaid. Not prepaid, 10 lbs., \$1.00; 100 lbs., market price.

**Winter Peas** Similar in habit and growth to Canada Field but will stand more cold. Can be planted in the fall or very early in the spring. Same culture as Canada Field. Lb., 20c, postpaid. Not prepaid, 10 lbs., \$1.00. Write for quantity prices.

## Barley

Sow 60 to 90 pounds per acre; on dry land 40 to 50 pounds. Prices quoted are not postpaid.

**Naked, Beardless or White Hulless**—No beard, shell hull-like wheat. 10 lbs., 60c; 100 lbs., market price. **Trebi Barley**—This variety is a recent introduction in this region. Fast becoming very popular. Yields much heavier, larger kernels than any of the other varieties. 10 lbs., 75c. Write for quantity price.

## Feterita

From 20 to 30 days earlier than Kaffir Corn, makes good fodder; in some instances made an excellent yield of grain without having received any rain from the day it was planted until it was harvested. Not postpaid, lb., 15c; 100 lbs., market price.

## Hegari

This is the most important feed produced in Arizona and excellent results are secured in Utah and surrounding States. It is used for ensilage, threshed grain, dry fodder, and frequently is pastured off. Not an unusual yield is twelve tons silage or 2400 lbs. threshed grain per acre. Lb., 15c; 10 lbs., \$1.00, not postpaid. Write for quantity prices. (See page 67.)

## Kaffir Corn

Is unsurpassed for dry alkali land, on which no better fodder and grain crop grows. Lb., 15c, not postpaid; 100 lbs., at market price.

## Millet

A valuable fodder plant. Makes excellent hay. Sow 25 pounds to the acre. 10 lbs., \$1.00, not postpaid. 100 lbs., at market price.

## Oats

**Swedish Select**—Grain plump, white and very heavy, averaging 40 pounds per bushel. 10 lbs., 50c, not prepaid. 100 lbs., at market price.

## Peanuts

**Spanish**—This variety is the best suited for growing in the North, being earlier. 35 to 40 pounds of unshelled peanuts will plant an acre. Postpaid: lb., 40c; 2 lbs., 65c. For larger quantities ask for special prices.

## Rape

**Dwarf Essex**—It may be sown broadcast, either with other fall forage crops or by itself, using one to five pounds of seed per acre. 10 lbs., \$1.75, not prepaid; 100 lbs., at market price.

## Rye

Sow 60 to 80 pounds per acre; on dry land 30 to 40 pounds per acre.

**Fall or Winter**—A good crop for early fall or spring pasture. 10 lbs., 50c, not prepaid; 100 lbs., market price.

**Spring Rye**—For summer pasturage and grain crop. Lb., 15c; 2 lbs, 25c, postpaid. Write for quantity prices.

## Sorgum

**Early Amber**—Furnishes a large yield of most nutritive forage, which can be fed either green or cured, and will yield two or three cuttings a year. Broadcast for forage sow 60 pounds per acre. In drills, sow 10 pounds per acre. Lb., 20c; postpaid. Not prepaid, 10 lbs., \$1.50; 100 lbs., at market price.

## Sunflower

**Russian Mammoth**—Sow seed as soon as ground is fit for planting corn, in rows three to four feet apart and about one foot apart in row. Cultivate the same as corn. This variety will yield 1000 pounds or more of seed per acre. Lb., 25c; 2 lbs., 40c, postpaid; for larger quantities inquire for prices.

## Vetch

**Spring**—Valuable for both soiling and as a cover crop. Sow 60 to 75 pounds per acre. Lb., 25c; postpaid. Not prepaid, 10 lbs., \$2.00; 100 lbs., market price.

## Wheat

**All Standard Varieties**—(Bart, Federation, Marquis, Dicklow, Club, Sonora, etc.)—Sow 60 to 80 pounds per acre on irrigated land; 40 to 50 on dry land. 10 lbs., 60c, not prepaid; 100 lbs., market price.

**Prices on All Farm Seeds Fluctuate Greatly**—Write for Quantity Prices. Quotations Will Be Sent by Return Mail.





A field of "Hagari," the Wonder Crop for the West. An acre yield is 12 tons of silage or 6 tons dry fodder or 2400 pounds of grain. (Seepage 66.) Write for quantity prices.

# P-W's BABY CHICKS POULTRY SUPPLIES

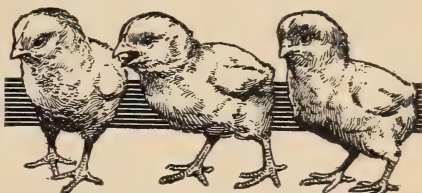
## About Baby Chicks

Baby chicks are a great specialty with us. We recommend the raising of our day-old chicks as the most satisfactory way of establishing a new flock of poultry, or of renewing an old flock, for utility purposes.

We are agents of the leading hatcheries and can furnish most any quantity and breed. As prices fluctuate greatly from month to month, kindly write for our **Special List of Breeds and Prices**; this will be sent you by return mail.

## About Poultry Feeds and Remedies

We are General Agents for Pratt Food Company and the Geo. H. Lee Company, two of the leading Poultry Remedy manufacturers in this country and



are in an excellent position to give service to the Inter-mountain section. Write for these special Booklets:

**"The Lee Way"**—A Treatise on Poultry Diseases and Treatment.

**"Common Poultry Diseases and Their Treatment"**—By Pratt Food Company.

These valuable booklets should be in the hands of every Poultry Raiser. We shall be pleased to send them **FREE** upon your request.

We invite correspondence on all kinds of Grains, Seeds, Feeds, etc., for Poultry and Pet Stocks, as prices fluctuate greatly. Weight, Quality and Prompt Service Guaranteed. Phone or write us.

## P-W's Electric Brooders

These electric brooders reduce labor cost of brooding by 50 per cent. They can be installed and placed in operation immediately, just plug into the nearest lamp socket and adjust thermostat switch to desired temperature, the heat is then turned on and off automatically.

**SPECIAL NOTE**—No. K-784 operates on 32, 110 or 220-volt, direct or alternating current. **BE SURE TO SPECIFY CURRENT WHEN ORDERING.** Prices are f.o.b. Salt Lake City. Power consumption kilowatts per 24 hours: No. K-742, 6 K.W.; No. K-752, 7½ K.W.; No. K-784, 12 K.W.

No. K-742—Size 42x42-in.; 425 chicks; wt. 70 lbs.	\$15.00
No. K-752—Size 52x52-in.; 650 chicks; wt. 100 lbs.	18.00
No. K-784—Size 52x84-in.; 1,000 chicks; wt. 140 lbs.	31.50



P. W.'s Electric Brooder

## Improved Stove Brooders

### BURN HARD OR SOFT COAL OR COKE

Again the coal capacity on these Stoves is increased, making them larger and heavier, giving better values at lower prices. Now made in three sizes, will burn hard or soft coal or coke; have double draft control and require 5-inch pipe. Automatic regulation controlled by check-draft, governed by 2 dbl. filled water thermostats. Prices f.o.b. Salt Lake.

**Royal No. 5**—chick cap., 500; coal cap., 44 lbs.; size hover, 52-in.; height, 23½-in.; dia. grate, 9½-in.; ship. wt., 100 lbs.; price, \$18.00.

**Royal No. 6**—Chick cap., 1,000; coal cap., 53 lbs.; size hover, 56-in.; height, 25-in.; dia. grate, 10¾-in.; ship. wt., 120 lbs.; price, \$21.00.

**Royal No. 7**—Chick cap., 1,500; coal cap., 73 lbs.; size hover, 60-in.; height, 33 in.; dia. grate, 12½-in.; ship. wt., 163 lbs.; price, \$28.00.

## Roof Flange and Brooder Pipe

The new Royal Roof Flange which is adjustable to care for any pitch of roof, and is made from heavy galvanized iron, being rust-proof.

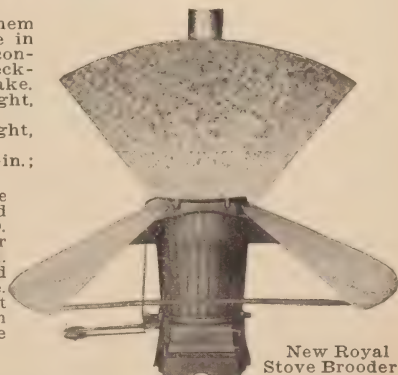
Furnished complete with stack 24 inches high and rain cap as illustrated. Made for two sizes of pipe, 4-inch and 5-inch, which should be specified in ordering. Each, \$1.50.

Brooder Pipe—5-in. diam., per length of 24 in.....\$ .25

Brooder Pipe—4-in. diam., per length of 24 in..... .20

Elbows—4 in., each, 20c; 5-in., each, .25

New style wire-bound canopy—K. D. with quarter section hinged. Wider and heavier grate. Double draft control, with cast pipe damper.



New Royal Stove Brooder



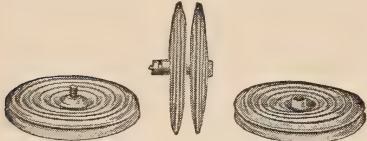
## MISCELLANEOUS POULTRY SUPPLIES—Continued

### Tycos Certified Incubator Thermometers

No. T5783  
Worth the slight addition in cost. Retested and certified. Makes sure, doubly sure. Can be used to test other incubator thermometers. Black scale and white figures, and every single degree graduation engraved directly on the glass tube, and every fifth line and figures stamped on the metal scale. Each in a box with stand and certificate.

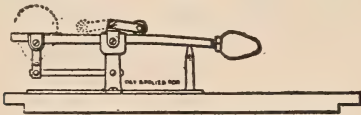


No. T5783  
Price, each, \$1.25  
No. 5776 Incubator, 85c Thermometer No. T5783  
Incubator-Brooder Thermometer, with legs, ea...\$ .75  
Brooder Thermometer, each ..... .50  
Brooder Wood Mounted Thermometer, each..... .50  
No. 5981—Tycos Hotbed Thermometer, special construction for soil, each..... 3.50



### DOUBLE UNIT WATER THERMOSTATS FOR BROODERS AND INCUBATORS

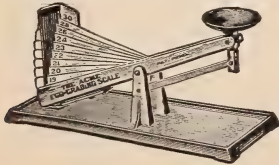
The double units have a solid post between them, making each wafer independent of the other, so if one wafer should become injured the other would continue to function. They are dependable and accurate and intended for coal burning brooders, oil brooders, incubators or most any place that a wafer thermostat is required. No. 297—Double Unit Wafer. Size 3 in., wt. each 4 oz. Each, 35c; 2 for 65c.



Reliable Egg Scale

### Egg Scales

**Reliable** This scale grades eggs quickly, easily and exactly. Has a quick double shift, just a flip of the finger, and you can get all weights required with the one shift, thereby taking the place of two scales. It has four steel knife-edge bearings, which guarantees a correct weight and long life. Price, \$2.50 each.



### Acme

Very accurate testing scale for egg grading, has 9 automatic adjustments recording correct weights instantly without any shifting. All eggs from 19 oz. to 30 oz., inclusive. Price, each, \$2.50.

### Caponizing Sets

Caponizing has become very popular with the poultrymen, as it brings the highest prices in poultry. The capon makes quick, tender meat, and a profit of it. To make a much in poultry raising, all male birds should be made capons. Very easy to do after reading special book of instructions which accompanies each set.

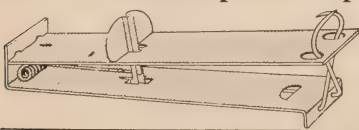
We offer the following well known sets, all postpaid:



"Pilling-Farmer" .....\$3.00  
"Philadelphia" ..... 3.00  
Landsdown No. 2 ..... 4.50  
Cornell ..... 6.00

One of the most efficient gopher traps made—it seldom fails to deliver the pest. Rust-proof steel construction 6 in. long, jaws 3 in.; wt., 6 oz. 25c each, postpaid.

### Star Pocket Gopher Trap



### Paper Egg Boxes

**Paper Egg Boxes**—All styles, made of extra heavy card board and will carry eggs safely. Shipping weight, 2 lbs. per dozen.  
**Standard**—3x4, dozen, 20c; 100, \$1.15; 250, \$2.50; per 1000, \$7.50.  
**Standard**—2x6, dozen, 25c; 100, \$1.50; 250, \$3.50; per 1000, \$13.00.

### Nest Eggs

**Lime Nest Egg**—Preferred by many as they are unbreakable and more natural in shape and color. Price, 5c each; 40c per dozen. Wt., 2 lbs. per dozen. Postage extra.  
**Porcelain**—Best grade, strong and durable. Each, 5c; dozen, 35c; weight, 1/4 lb. per dozen.

### Leg Bands



### Single Coil Spiral Colored Bands—

These are made of celluloid and in six different colors, black, red, green, yellow, cerise and dark blue. They can be taken off and put on very quickly and easily and will last a life-time. They are made in sizes for every breed of poultry, pigeons and baby chicks. Please state breed when ordering.

Size	25	50	100	500	1000
No. 4—Day Old Chick.....	.15	.25	.45	\$1.75	\$3.00
No. 5—Pigeon .....	.15	.25	.45	1.85	3.20
No. 8—Mediterranean .....	.20	.30	.55	2.10	3.80
No. 9—Ex. Mediterranean .....	.20	.30	.55	2.25	4.00
No. 11—American .....	.25	.35	.60	2.40	4.40
No. 12—Asiatic .....	.25	.40	.75	3.00	5.50
No. 14—Turkey .....	.30	.55	1.00	4.00	7.50
No. 16—Turkey Tom .....	.40	.75	1.40	5.50	10.00

### Bandettes—Celluloid

**FLAT LEG BANDS**  
Bevel ended with spring clip pattern, giving the band a neat jointless appearance, leaving nothing unprotected, the inside being smooth the legband cannot hurt the bird. Five colors, blue, red, yellow, green and pink. Furnished in sets—1 to 25, 1 to 50 and 1 to 100.



Size	25	50	100	500	1000
No. 6—Pigeon .....	.50	.90	\$1.60	\$7.00	\$13.50
No. 9—Mediterranean .....	.60	1.00	1.80	8.50	16.50
No. 11—American .....	.60	1.00	1.80	8.50	16.50
No. 12—Asiatic .....	.65	1.10	2.00	9.00	17.00



Adjustable Leg Bands

**Champion—Adjustable** — Best adjustable leg band. Has neat, compact and smooth fastening, with no catching points; easily attached and absolutely secure. Prices, 25 for 30c; 50 for 60c; 100 for 75c, postpaid.

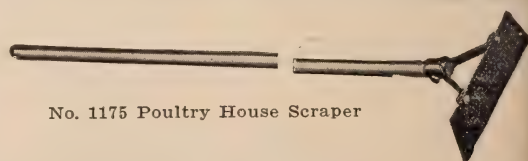
**Colored Adjustable**—Carry these in four colors, blue, red, yellow and green; numbered from 1 to 100. Price, 25 for 40c; 50 for 75c; 100 for \$1.25.

### Chicken Markers

**Chicken Markers**—All postpaid.  
**Petty's Perfect Poultry Punch**, small hole; each, 25c.  
**Moe's Ideal Poultry Punch**, nickel plated, each, 50c.

### Lamps, Burners, Etc.

**Lamp Bowls for No. 3 Burners**, galvanized, each, \$ .80  
**Lamp Burners**, No. 3, brass; each, ..... .70  
**Burner Reducer**, fits No. 3 bowl and No. 2 burner .15  
**Burner Enlarger**, fits No. 2 bowl and No. 3 burner .15  
**Wicks**, Common, for all sizes; each, 5c; 6 for..... .25  
**Tin Chimney**, for No. 2, 30c; for No. 3 burners..... .35  
See p. 24 for Automatic Brooder and Incubator Alarm.



No. 1175 Poultry House Scraper

### Poultry House Scraper No. 1175

Heavy steel blade 18 in. long is shaped with a sharp angle at each end of the scraping edge so as to get into corners and cracks. Blade is held rigid by heavy malleable braces running each way from the handle socket. Strong 6 ft. handle 1 1/2 in. thick. Weight, 5 lbs. Each, \$1.25; 18 in. blade, \$1.50.

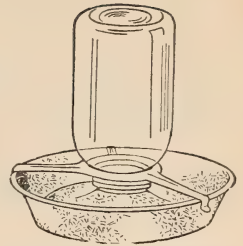


# POULTRY DRINK FOUNTS

## Mason Jar Founts

Will fit pint, quart, or half gallon Mason Jar. Convenient, cheap, sanitary. Can be used for feed as well as water. Both "Round" and "Star" shaped styles.

- No. 41—Galvanized (postpaid), round, each.....\$ .10  
 No. 133—Star Shaped (Charcoal Tin), for water or Feeding Buttermilk. Wt. 4 oz., each.....\$ .12  
 No. 433—Round with stand (see cut). Wt. 8 oz., each.....\$ .13  
 No. B25—Drinking pan glass for feeding buttermilk or medicated water Mailing wt. 1 lb. each.....\$ .15



Mason Jar Fount Type No. 41

## Automatic Float Valve

For regulating running water. Can be attached to any city water line, farm water tank, supplying fresh water automatically. Price, \$1.00 each.

## Water Fountains

Made from heavy galvanized iron, double tank construction, of large capacity for grown fowls.

- No. 203—Cap., 3 gal.; shipping wt., 11 lbs.; each.....\$1.75  
 No. 205—Cap., 5 gal.; shipping wt., 17 lbs.; each.....2.40  
 No. 208—Cap., 8 gals.; shipping wt., 17 lbs.; each.....3.00  
 Hudson—Similar to No. 203 except top is oval surmounted with non-perchable disk.  
 No. LF-5 Fountain. Cap. 5 gal.,\* pan diam. 15 in., 1 in ctn., ship. wt. 10 lbs. Each.....\$3.00  
 No. LF-8 Fountain. Cap. 8 gal.,\* pan diam. 17 in., 1 in ctn., ship. wt. 13 lbs. Each.....\$3.35

## Buttermilk Feeder Troughs

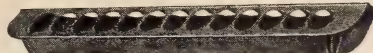
Feeding Troughs — made from charcoal tin plate. Sliding top. Easy to clean.

- No. 520—length, 24 in.; 16 holes; wt., 1½ lbs.; ea.....35c  
 No. 324—length, 24 in.; 34 holes; wt., 1½ lbs.; ea.....45c  
 No. 224—length, 24 in.; 34 holes; wt., 1½ lbs.; ea.....35c  
 (No. 224 is for water only as it is galvanized iron)

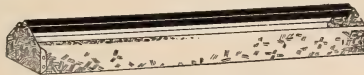
## Grit and Shell Boxes

Made of heavy galvanized iron in three sizes.

- No. 45—For Baby Chicks, 2 comp., wt., 1 lb., ea.....\$ .40  
 No. 9—For Grown Birds, 3 comp.; wt., 3 lbs.; ea. .75  
 No. 90—For Grown Birds, 4 comp.; wt., 4 lbs.; ea. \$1.00



Type of Feed Trough—Nos. 318, 324 and 224



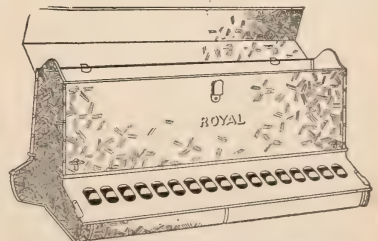
Revolving Wood Reel Trough



No. 433



Automatic Float Valve



Royal Chick Hoppers—Type of Nos. 140, 141, 342, 363, 42 and 63

## Revolving Wood Reel Troughs

Galvanized iron in two lengths, with wide lip on each side to prevent feed waste; revolving reel keeps chicks off trough.

- No. 200—length, 24 in.; wt., 2 lbs.; each.....40c  
 No. 292—length, 36 in.; wt., 3 lbs.; each.....55c

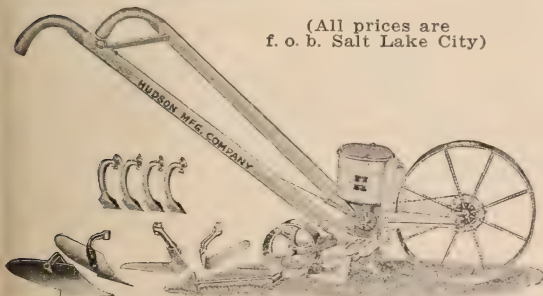
## Baby Chick Hoppers

Heavy galvanized iron with hinge top. Turned edges on all holes over feeding trough. Most economical on the market.

- No. 42—length, 24 in.; holes, 34; cap., 12 qts.; wt., 7 lbs.; each......95  
 No. 63—length, 36 in.; holes, 34; cap., 18 qts.; wt., 9 lbs.; each.....1.25  
 No. 140—length, 21 in.; holes, 32; cap., 10 qts.; wt., 5 lbs.; each.....\$ .90  
 No. 342—length, 24 in.; holes, 34; cap., 14 qts.; wt., 7 lbs.; each.....1.20  
 No. 141—length, 36 in.; holes, 54; cap., 17 qts.; wt., 8 lbs.; each.....1.35

## Garden Tools

(All prices are f. o. b. Salt Lake City)



No. 203

## Hudson Hill and Drill Seeder and Wheel Cultivator

No. 203 is ideal for the gardener whose requirements do not justify separate machines for seeding and cultivating, being equipped for use as hill and drill seeder, or wheel hoe plow or cultivator. Changes from one to the other are made quickly and easily. Shipping weight, 50 lbs. Each, \$16.00.

Hudson Garden Cultivator No. 228—Single wheel cultivator. Equipment consists of a pair of hilling plows, pair of surface hoes, four cultivating teeth and a vinegar. Plows, hoes and teeth are of carbon steel. Shipping weight 25 lbs. Price, \$7.35.

No. 229—Exactly like "No. 228," except the hilling plows have been omitted. Shipping weight 19 lbs. Each \$6.00.

Hudson "Handy Gardener" No. 106—Light 6-tooth cultivator, 16 in. wheel. Equipped also with plow and 12 in. sweep. Shipping weight 19 lbs. Each, \$6.40.

Hudson Garden Plow No. 448—Fitted with Double Pointed Shovel for wide or narrow work, Clover-leaf Sweep for surface cultivation and 5-tooth Cultivator with special plow steel teeth, carefully forged and sharpened, and malleable casting. Shipping wt. 19 lbs. Each \$4.35.



# Miscellaneous Garden Tools and Supplies



**Trowel T20**—6 inches long, steel. Each, 35c.



**T25—Trowel**—6 in. Transplanting trowel, one piece rolled steel. Each, 25c.



**Five Fingered Weeder**—Each, 20c.



**Transplanting Trowel**—Each, 20c.



**Garden Trowel**—Each, 20c.  
**Set of Three**—One each of above—50c. Shipping weight, 2 lbs.

**"NORCROSS" CULTIVATOR-HOES AND WEEDERS** ..



Will cultivate closer to plants without injuring them than any other type of implement known, leaving the soil level, loose and untrampled.

**Three Sizes and Prices** Each  
5-prong, 4 ft. handle, wt. 3 lbs. \$1.25  
3-prong, 4 ft. handle, wt. 2 lbs. .90  
"Midget," 90 in. hdl., wt. 12 oz. .60



**Dandelion Digger No. 219**—Forged from best material. Each, 35c; postpaid, 40c.



**Spading Fork No. A-30**—No home gardener should be without this handy tool. Each, 50c; postpaid, 55c.

**Doo-Klip** — The shear that takes all the wrist tire and finger-ache out of lawn trimming. The easy, natural up-and-down operation does it. It keeps the hand out of the dirt. Each, \$1.25; postpaid, \$1.40.



**Doo-Klip Grass Shear**



**Weeder No. 830**—5 prong, green corrugated handle. Forged from  $\frac{3}{8}$  Octagon Tool Steel. Each, 50c.



**Grass Sickle No. 3**—Evenly tempered, keen edged. Just the right tool for long grass and weeds. Each, 75c; postpaid, 85c.



**Graswip No. 160**—The new way to cut your grass and weeds without stooping. Length over all 37 inches; blade length, 9 $\frac{1}{4}$  inches; blade width, 1 $\frac{1}{2}$  inches. Each, \$1.00.

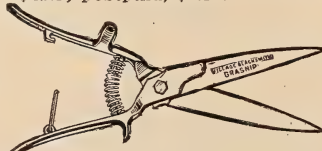


**Pruning Shear No. 179**—9 in. Each, \$1.00; postpaid, \$1.10.

**Pruning Shear No. 128**—Same as No. 179, except it is slightly smaller. Each, 90c; postpaid, 95c.



**Pruning Shear No. 1409**—Forged tool steel, ratchet nut, brass spring; length, 9 inches. Each, \$1.25; postpaid, \$1.35.



**Grasnip No. 1**—All-around shear for grass, vines and light shrubs; 6 in., steel blades. Each, \$1.00; postpaid, \$1.10.



**Snap Cut Pruner**—Very powerful—will cut the hardest wood easily. Each, \$1.60; postpaid, \$1.75.



**Trimsnip Sto 8**—Serrated polished steel blades, maple handles. Each, \$2.35; postpaid, \$2.75.

**Hedge Shear No. 600**—Full polished steel blades. Designed for ladies' use. Each, \$1.25; postpaid, \$1.50.

## CYCLONE SEED SOWER

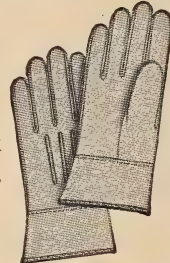
A good, large sower that meets the most exacting demands. Hangs by a strap over your shoulders of operator. Hopper-sack has a capacity of  $\frac{3}{4}$  bushel. Broadcasts evenly all varieties of grain and grasses. Wt., 4 lbs.



**Price**—Each, \$2.25. If by mail add 25c extra for postage.

## Easy Wear Garden Gloves

**ALL-LEATHER Soft as Kid Easy to Wear**



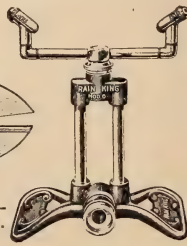
**Dirt-Proof - Durable - Washable**  
Four sizes: "SMALL" and "MEDIUM" for Women, "MEDIUM" and "LARGE" for Men. Price, 75c a pair—2 pairs for \$1.40. This is a real bargain to get an all-leather garden glove with these special qualities at such a low price.

Fancy colored Gauntlet style of "Easy Wear" Gloves, 85c per pair; 2 pairs, \$1.50.

## RAIN KING Model D

The ideal sprinkler for 99 homes out of 100. Throws more water—farther. Built right for years of use. Price, \$2.25 each.

**Whirling Show-er**—Similar to "Rain King." Lighter construction. \$1.75 each.

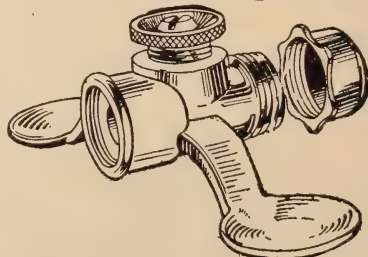


## No. 25 Portable Sprinkler

**A Durable, Efficient, Low Priced Sprinkler System**

Each Sprinkler has an adjustable brass head whereby the distribution of water can be easily regulated. The base designed to slide easily over the lawn and not tip.

Packed three to a set—One per set of three, \$1.75.



**Sprinkler equipped with brass shut-off cap. Price per set of three, \$1.75.**



## "Harris Ready to Use" Plant Bands and Pots

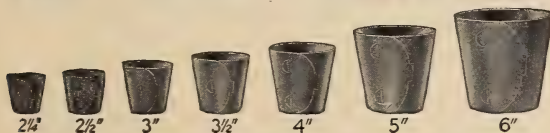
They are the only really Ready-to-Use bands on the market. There are no locks to put together, no tacks to drive, no folding of corners. All the corners are scored. They always open up square.

They are packed nicely in cartons containing a given quantity and are in order; ready-to-use. Many other makes come loose and have to be arranged in order before using.



2B Plant Bands, 2x2 in.....	\$1.25 per 250;	\$4.30 per M
3B Plant Bands, 3x3 in.....	1.50 per 250;	6.10 per M
4B Plant Bands, 4x4 in.....	2.00 per 250;	7.45 per M
2P Plant Pots, 2x2 in.....	1.50 per 250;	4.80 per M
3P Plant Pots, 3x3 in.....	2.00 per 250;	7.50 per M
4P Plant Pots, 4x4 in.....	2.50 per 250;	8.65 per M

## Bird's IMPROVED NEPONSET Flower Pots



Made of a tough, waterproof paper that retains moisture very satisfactorily. Testing under actual growing conditions has proven that this container may be used successfully when seedling plants are grown therein from 6 to 8 weeks.

	Doz.	Per 100	Per 1000	Wt. of 1000 pots about
2 1/2 -in. pots.....	\$ .15	\$ .75	\$ 5.50	17 lbs.
3 -in. pots.....	.18	1.00	7.75	23 lbs.
4 -in. pots.....	.25	1.60	12.50	46 lbs.
5 -in. pots.....	.30	2.00	16.40	80 lbs.
6 -in. pots.....	.45	2.75	22.60	110 lbs.

## Clay Flower Pots

Prices are f.o.b. our store. Packed for shipping add 20 per cent. Minimum packing charge 50 cents. While we take every precaution to pack pots so that they will arrive at destination safely we do not guarantee against breakage in transit and will not replace any pots that are broken on arrival. We advise against shipping by parcel post.

Size	Each	Per Doz.	Per 100
2 1/2 -inch Standard.....	\$ .05	\$ .45	\$ 2.50
3 -inch Standard.....	.05	.50	3.00
4 -inch Standard and Bulb.....	.07	.60	4.00
5 -inch Standard and Bulb.....	.10	.85	6.00
6 -inch Standard and Bulb.....	.15	1.25	8.00
7 -inch Standard.....	.25	2.00	13.00
8 -inch Standard.....	.35	3.30	23.00
10 -inch Standard.....	.60	6.00	45.00
12 -inch Standard.....	1.00	11.00	

If saucers are desired add 50% extra to above prices.

## Watering Cans

**American Style**—Heavy galvanized round cans. 6-qt., \$1.00 each; 8-qt., \$1.25 each; 12-qt., \$1.50 each.

**French Style**—Two copper-faced roses, one fine, one coarse with each pot. Attractive oval shape. 4-qt. size, \$4.50 each; 6-qt. size, \$5.00 each; 8-qt. size, \$5.50 each.

## Wire Hanging Baskets

Made of heavy wire painted green and three supporting wires and a hook at top to hang it by.

	Each	Doz.
8-inch diameter.....	\$ .35	\$3.50
10-inch diameter.....	.40	4.00
12-inch diameter.....	.50	5.00
14-inch diameter.....	.60	6.00
16-inch diameter.....	.70	7.00

## Florists' Moss

Suitable for use in lining hanging baskets and for packing perishable plants. 1/2 lb., 25c; lb., 40c; 5 lbs., \$1.15, postpaid. Not prepaid in bales of about 75 lbs., \$5.50 each.

## Raffia

Natural, in skeins weighing from 1 1/2 to 2 1/2 lbs.; excellent for tying up plants, grafts, etc.; in original skeins. Per lb., 45c; less original skeins, per lb., 50c.

## Grafting Wax

Excellent to apply to young trees and shrubs that have been barked. It is put on easily and quickly, and will remain there and prevent decay until the wound is covered with new bark. Price—1/4 lb., 25c; 1/2 lb., 40c; lb., 75c. Postage extra.

Germāco

# Hotents

Protects Plants  
from Frost, Wind,  
Rain and Insects

HOTENTS are designed to protect and force all varieties of plants, (especially tomatoes, melons, squash and peppers) where a large plant protector is needed. They are of generous size, being 10 1/2 x 14 1/2 inches at the base and 8 1/2 inches high. The large area at the base will keep the soil around the plant warm, which will promote the growth of the plant. Its size will give protection to the plant for a long period.

Prices: \$2.75 per 100; \$4.50 for 250; \$12.00 for 1,000; \$57.50 for 5,000; \$110.00 for 10,000. Hotent Setters, write for prices.



## Higher Prices for Your Crop



Germāco

# Hotkaps

HOTCAPS not only protect plants, but make them grow harder and faster. Thus you get a greater crop production earlier for higher prices.

You can add to your next year's profit with Hotkaps. They cost but a fraction over a penny each.

One man can "set" 3000 Hotkaps per day. They not only bring you higher prices, but are a method of crop insurance—against the danger of the elements. Prices—\$2.50 per 100; \$3.75 per 250; \$10.25 per 1000; \$50.50 for 5,000; \$100.00 for 10,000. "Hotkap" Setter, \$1.50 each. "Hotkap" Garden Setter, 50c each.

## Pot and Tree Labels

	Per 12	100	1000
Pot Labels, 4-in., plain, 1000 in box.....	\$ .10	\$ .35	\$2.75
Pot Labels, 6-in., plain, 1000 in box.....	.15	.50	3.50
Pot Labels, 10-in., plain, 500 in box.....	.25	1.10	8.50
Tree Labels, copper wired, plain.....	.10	.40	2.75

## Plant Stakes

**Green Bamboo Stakes**—For supporting tall plants—  
2 ft. long.....12 for 10c; 100 for 60c; 250 for \$1.10  
3 ft. long.....12 for 15c; 100 for 65c; 250 for 1.40  
3 1/2 ft. long.....12 for 20c; 100 for 75c; 250 for 1.75  
4 ft. long.....12 for 25c; 100 for 90c; 250 for 2.00  
5 ft. long.....12 for 35c; 100 for \$1.35; 250 for 3.00  
6 ft. long.....12 for 45c; 100 for \$1.50; 250 for 4.00  
**Dahlia Stakes**—5 ft. x 1 inch x 1 inch, pointed, painted green. Each, 18c; dozen, \$1.80; per 100.....\$13.50

## Celery Bleaching Tubes

Made of a specially constructed paper that is resistant to moisture. With just ordinary care, these bleaching tubes will last for five seasons at least. Sizes 6x12; 6 1/2x13; 7x14. Write for prices.

## Cel-O-Glass

At last an unbreakable material that is neither glass nor wire cloth, yet combines the transparency of glass with the toughness of metal. Extremely light in weight, weatherproof, flexible and durable. Suited for chicken house fronts and windows; cold-frames and hotbed sash; greenhouse sides, fronts and partitions. Put up in rolls 3 ft. wide up to 100 ft. long. Per running ft., 45c; 10 ft., \$4.25; per roll of 100 ft., \$40.00.

## Glass Cloth or Suntex

Glass Cloth is a strong fabric treated by a patented process to make it transparent, weather-proof and water-proof. It costs much less than glass and for many purposes is superior. Anyone can put it up. It admits abundant light which is diffused and scatters to all parts of the enclosure. It comes in rolls 36 inches wide and any length. Yard, 30c; 10 yards, \$2.50; per roll of 100 yards, \$22.50.



# ASSORTMENT OF SPRAY PUMPS—FOR EVERY PURPOSE

## Hudson Economy Sprayer No. 125



Designed to give the purchaser the greatest possible value at an attractive price. Tank  $7\frac{1}{2}$  x  $20\frac{1}{2}$  inches. Holds  $3\frac{3}{4}$  gallons. Seams riveted with brass rivets, heavily soldered. Made of first quality galvanized or copper sheets.

Pump of seamless brass tubing,  $1\frac{1}{2}$  x  $1\frac{1}{2}$  inches. Sealed into tank by malleable top which screws onto brass collar. Malleable "D" pump handle. Fitted with 24 inches discharge hose, 18 inch brass extension rod and brass disc type adjustable nozzle. Wt. about 11 pounds.

No. 125G. Economy. Galv. Tank,  $3\frac{3}{4}$  gal., each.....\$5.75  
No. 125B. Economy. Copper Tank,  $3\frac{3}{4}$  gal., each.. 8.25

## Hudson Perfection Sprayer No. 110

For work requiring high pressure. Tank  $7\frac{1}{2}$  x 21 inches. Holds 4 gallons. All seams riveted with brass rivets and heavily soldered. Made of first quality galvanized or copper sheets.

Pump of seamless brass tubing,  $1\frac{1}{2}$  x  $1\frac{1}{2}$  inches. Sealed into tank by malleable top cap which screws onto cast brass tank collar, an exclusive Hudson feature. Malleable "D" pump handle. Fitted with 27 inches of discharge hose, 24 inch brass extension rod, and brass adjustable nozzle. Weight about 13 pounds.

No. 110G. Perfection. Galv. Tank, 4 gals., each.....\$7.50

## Hudson Sterling Sprayer

An outstanding value in clamp top sprayers. Applies whitewash, cold water paints, insecticides, disinfectants. Practical for the farmer, fruit grower, truck gardener, poultryman, dairyman. Tank holds  $3\frac{3}{4}$  gallons. Furnished with 24 inch high pressure spray hose, 18 inch brass extension rod and solid brass nozzle with various discs. Packed one in heavy fibre carton. Weight approximately 10 lbs.

No. 115G. Sterling. Galvanized.  $3\frac{3}{4}$  gals., each.....\$5.00

## Hudson Thrifty Sprayer

Convenient size for work around the home, flower garden, truck garden and similar places. Tank  $6\frac{1}{2}$  x 17 in. Holds 2 gallons. Double seamed and heavily soldered. Made of first quality galvanized sheets.

Fitted with 20 inches of discharge hose, 18 inch curved brass extension rod and brass disc type adjustable nozzle. Weight about  $7\frac{1}{2}$  pounds.

No. 120G. Thrifty. Galv. Tank, 2 gallons, each.....\$4.25

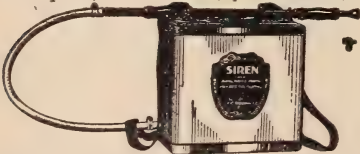


## Armstrong Standard

Can be used with bucket, knapsack, tank or barrel for spraying

orchards, gardens, vineyards, whitewashing, disinfecting chicken houses, killing vermin on stock. Made entirely of brass. Nothing to get out of order.

For pump and nozzle, price, \$3.75; weight, 4 lbs.



## Brown's No. 5A Outfit

A well-built five gallon knapsack tank, of heavy

copper bearing galvanized steel. Brackets on tank top provide a place to keep the pump when not in use. Pump is made entirely of brass, with two wooden handles, and is double acting. Due to the small diameter of the cylinder, this pump will generate over 200 pounds pressure with very little effort. All parts are easily accessible for cleaning or replacement. For all spraying purposes. Shipping weight of tank, 7 pounds. Shipping weight of pump, 4 pounds.

No. 5 Pump, all brass, each.....\$3.75  
No. 5A Tank, 4 gallon galv. tank, each..... 5.00  
Complete outfit.....\$8.75

**Gold Medal Outfit** This is a modification of 5A and No. 5, with additional equipment. Specially designed for forest service and fire fighting. Complete outfit, \$11.50.

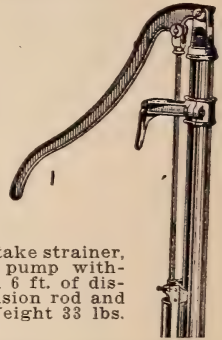


## Hudson's New Sunshine Sprayer

General purpose orchard, field and whitewash sprayer. Galvanized tank capacity  $12\frac{1}{2}$  gallons. Discharge equipment 5 ft.  $\frac{3}{4}$  in., 5-ply hose, 2 foot extension rod and "Ideal" angle spray nozzle. Truck equipped with double wheels. Shipping weight 45 lbs. Price \$15.50.

## Hudson Barrel Pump No. 4SA

Handles whitewash, cold water paints, caustic mixtures, agricultural insecticides, etc. Pump cylinder seamless brass tubing,  $1\frac{1}{2}$  x 7 in. Air chamber high carbon steel, 2x27 in., light, strong and sturdy. Tubular brass intake strainer provides strainer area 15 times that of ordinary type. Dasher agitator cleans it at each stroke, absolutely preventing clogging. Entire valve assembly, including intake strainer, accessible from outside of pump without dismantling. Fitted with 6 ft. of discharge hose, 4 ft. iron extension rod and brass angle spray nozzle. Weight 33 lbs. Each \$13.00.



## Hudson Ideal Sprayer No. 35S

A heavy duty, high pressure portable outfit for orchard, vineyard, truck garden, park, golf club, private estate, dairy barn, poultry house, etc. Handles insecticides, cold water paint, etc.

Pump is 4SA. Non-clogging tubular brass intake strainer provides unusual strainer area. Dasher agitator cleans it at each stroke preventing any possibility of clogging.

Tank heavy gauge galvanized steel sheet, reinforced top and bottom with channel iron.

Frame heavy carbon steel tubing reinforced with channel iron cross braces and bushing through the wheel hub. Wheel 18 inches diameter,  $2\frac{1}{2}$  inch tire.

Fitted with 6 ft. discharge hose and 4 ft. iron extension pipe, brass angle nozzle and shut-off valve. Weight 102 lbs.

No. 35S. Ideal Sprayer. Galv. Tank, 18 gal., each.....\$24.80

## Auto Pop Shut-off Nozzle

Made entirely of brass. Adjustable and made for use on all compressed air machines, shown in cut "Compressed Air Sprayer." Handles all solutions. Fitted with  $\frac{3}{4}$ -in. pipe threaded so extended rod can be added. Price, \$1.50 each.



## Non-Clog Nozzle

This nozzle is made entirely of brass with strong leather gasket. Has heavy perforated brass screen to prevent sediment from clogging spray disc. Equipped with fine, medium and large hole spray discs. Will handle all spraying solutions and can be used on any compressed air or wheelbarrow sprayer. Each 75c.



## Bordeaux Whitewash Nozzle



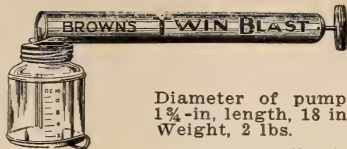
No. 71—For spraying, whitewashing or cold water painting. Adjustable to regulate the quantity of liquid used. Throws a wide, flat spray, and can be graduated from a fine mist to a solid stream, or shut off completely. Made entirely of brass. Threaded  $\frac{3}{4}$ -inch standard pipe. Price, each, 75c.

All Sprayers are quoted f.o.b. Salt Lake City, unless otherwise noted.

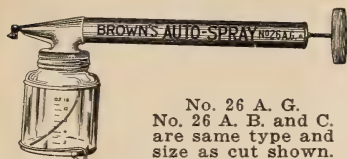


### BROWN'S TWIN BLAST SPRAYER

Equipped with twin spray jets glass tank. 1 qt. capacity. Each, 60c.

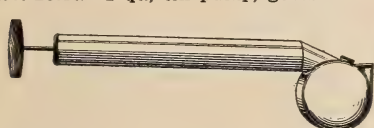


Diameter of pump, 1 1/4-in, length, 18 in. Weight, 2 lbs.



No. 26 A. G. No. 26 A. B. and C. are same type and size as cut shown.

No. 26A—1-qt., tin pump, tin tank. Each, 75c.  
No. 26B—1-qt., tin pump, brass tank. Each, \$1.20.  
No. 26AG—1-qt., tin pump, glass tank. Each, \$1.10.



No. 22A—1-qt. tin pump and tank. 40c each.

### Rubber Sprinklers

No. 28—Holds 8 oz. Red India rubber with black, hard rubber nozzle. (See cut.) Each, \$1.25.



### Hudson Dusters For Every Purpose

No. 651. Corporal Duster. Ship. wt., 1/2 lb., each \$ .20  
No. 660. Signal Duster. Shipping wt., 1 lb., each.... .35  
No. 663. Cadet Duster. Shipping wt., 1 lb., each.... .50  
No. 665. Major Duster. Shipping wt., 2 lbs., each.. 1.25

## Garden Pest and Disease Killers

Poisons are not admitted to the mails, so are shipped by Express or freight only. On other items not quoted at postpaid prices, see Zone Rates for amount to remit for postage.

### All-Round Spray

"Acme All-Round Spray" is composed of nicotine sulphate, arsenate of lead and bordeaux mixture, scientifically combined for controlling chewing and sucking insects, and blight and fungus diseases all in one application. Price—1/4 lb. size, 35c; lb., 80c.

### Ant-Kill

Ant-Kill syrup is sold in connection with safe patented service cups which give protection to birds, chickens, pets and children, yet readily accessible to ants who carry the syrup back to the nest. Attractive to Argentine and sweet-eating ants.

Prices—Cottage Set—3-oz. syrup, 5 cups, 60c each; 3-oz. bottles, 25c each; 2-oz. bottles, 20c each; 1/2 pint, 50c; pint, 75c; Service Cups, 10c each.

### Antrol

The Antrol system is composed of small glass containers partially filled with syrup, and placed about the outside edges of the house or along ant "trails" in the garden. Prices—Antrol sets of 4 containers and 1 4-oz. bottle of syrup, 75c; extra containers (each), 15c; syrup, 4-oz., bottles, 35c; pints, 85c.

### Ant Paste (Kellogs)

"Rattle Cap"—A very effective remedy for control of ants affording a quick, temporary relief. Bottle, 25c.

### Aphis Spray (Acme)

An improved nicotine spray combining a soft fish oil soap with Black Leaf 40, suitable for the control of all kinds of aphis (plant lice), thrip, leaf hopper and many more insects. Complete directions with every package. 3 oz. collapsible tube, 35c; 12 oz., 95c.

### Brownie Atomizer

For spraying moth spray, fly spray, for ants, roaches, bedbugs, etc. Has tin cylinder, five ounce capacity glass jar. Price, 20c each.

### Platz Grun Double Action Duster

Large, powerful leather bellows. No gears to wear—easy to operate. Practically indestructible. Agitator is positive; regulator is accurate. Compact, sturdy, efficient; the bellows being double, insure a steady flow. The discharge pipe, with its adjustable spreader will deliver a cloud of dust 20 ft. in the air if desired, or underneath the leaves close to the ground. Net weight 17 lbs. Capacity, 20-30 lbs. Ea., \$16.00.



Platz Grun Duster

### Brown's Crystal Duster

The Crystal Duster is a new type with glass jar container. The volume of dust expelled is controlled by the force used in pumping.

This duster is good for use in orchards, garden truck, field crops, poultry houses, in applying Soot Remover to dirty flues, and for dusting newly finished walls with silver and gold powders. Shipping weight, 2 1/2 lbs. Each, \$1.35.



### Arsenate of Lead

Arsenate of Lead is recommended to control all leaf-eating insects on trees, shrubs, flower and vegetable plants.

1/2-lb. carton, 20c; 1-lb. carton, 30c; 4-lb. bag, 75c. Write for quantity prices.

### "Black Leaf No. 40"

Nicotine Sulphate—40 per cent Nicotine

In addition to its effectiveness in killing Garden Pests, "Black Leaf 40" is sure death to poultry lice and mites. Write for details.

Prices—1 oz., 35c; 5 ozs., \$1.00; 1 lb., \$2.25; 2 lbs., \$3.25; 5 lbs., \$5.55; 10 lbs., \$9.55; 1 oz. makes 6 gallons; 1/2 lb., 40 to 60 gallons.

### B-K (Bacili-Kil)

This is not a poison but is ten times more powerful as a germ killer than carbolic acid—clean, colorless and a deodorant. Indoor spray: pint, 60c; qt., \$1.00; gal., \$3.50; outdoor spray, qt., 60c; gallon, \$1.50; 5 gal., \$6.75. (Not a poison; available.)

### Bluestone

Bluestone (or Copper Sulphate)—Used in preparing home-made Bordeaux Mixture 1 lb., 25c; 5 lbs., \$1.00.

### Bordo Mixture

Prevents large losses caused by blight, rot, mildew, scab, anthracnose, and certain other fungous diseases, will stimulate plant growth and greatly increase the harvest. 1-lb. carton, 30c; 4-lb. paper bags, 65c.

### Copper Carbonate Dust

Cupro-Jabonite (Copper Carbonate—18-20%)—Proved effective and available at a much less cost than the Pure Copper Carbonate, 5 lbs., 85c. Write for quantity prices.



## PEST AND DISEASE KILLERS—Continued

Only those items marked "non-poisonous" are admitted to the mail. All others are forwarded by Express or Freight.

### Cyanogas

**Cyanogas or Calcium Cyanide** is used for the control of ants, grape-leaf hoppers, fleas, chinch bugs, grasshoppers, in hatching beds, squash bugs, and many other insect pests, as well as rats, gophers and other rodents. It is also used for the fumigation of greenhouses and bulbs.

"A" Dust—4 oz., 30c; ½ lb., 50c; 1 lb., 75c; 5 lbs., \$2.50; 25 lbs., \$9.00. "G" Dust (For Greenhouse)—1 lb., 80c; 5 lbs., \$3.10; 25 lbs., \$10.50.

### Dusting Sulphur

For control of blight, mildew and fungus diseases. Price—1 lb., 20c; 5 lbs., 65c; 10 lbs., \$1.10; 100 lbs., \$7.50. (Not a poison; mailable.)

### Evergreen Spray

Effective against most any plant pests, including Cucumber and Melon Beetles, Cabbage Worms, Rose Slugs, Leaf Hoppers, Currant Worms, etc. Kills only insects—harmless to man, live stock, birds and pets.

Price: 1½ oz., 35c; 6 oz., \$1.00; 16 oz., \$2.00; 1 gal., \$12.00. (Not a poison; mailable.)

### Free Emulsion

The "Certain Death" to scale insects and destroys Brown Mites and Apple Leaf Roller Eggs and controls Canker, Rot, Twig Blight, and many other fungus diseases. 1 gallon can, \$1.00, shipping weight, 11 lbs.; 5 gallon can, \$4.50.

### Garden Guard

No sprayers, no water, no mixing. Dust on plants from sifter top can or through burlap sack. Not only a good insecticide but also a fungicide. Non-poisonous—mailable. Prices—1 lb. sifter carton, 35c; 4 lb. paper bags, 75c.

### K-M-G Dandelion Killer

The old-fashioned, inefficient and back-breaking grief of "grubbing" to get rid of Dandelions is gone forever, and K-M-G Dandelion Killer is responsible. A drop or two of this remarkable new preparation in the center of a Dandelion plant (not the flower) kills it completely and permanently. It is easy to use and obtains results that are miraculous. Rid your lawn of this obnoxious pest—get a bottle today—it makes Dandelions "curl up and die" and STAY DEAD! One bottle will clean up an average size lawn. Price, \$1.00 each.

### K-M-G Morning Glory Killer

Applied as a liquid spray to the leaves and stems, it is absorbed and distributed throughout the entire root system—killing the entire plant. One or two sprayings solve the Wild Morning Glory problem permanently.

An acre of solid Morning Glory requires from 6 to 8 gallons of K-M-G. Mix 1 part K-M-G to 75 of water. Price—qt., \$1.50; ½ gal., \$2.85; 1 gal., \$4.50; 5 gal. drum, \$20.00.

### Lime Sulphur

For dormant spraying in the fall or early spring against Scale, Peach Blight, Leaf Curl and Twig Borer, use 9 to 11 tablespoons to 1 gallon of water.

For summer spraying against Scab, Soot and Blotch, Red Spider and Mites, use from 2½ to 3 level tablespoons to 1 gallon of water. 1-lb. can, 35c; 5-lb. can, \$1.45; 10-lb. can, \$2.35. (Not a poison.)

### Nicotine Poultry Delouser (Acme)

A proven product. The nicotine fumes do the killing. A pint can will treat 300 to 400 running feet of perches or 450 to 600 chickens. This Nicotine Delouser will also control plant lice on flowers and vegetables. Full directions on each package. 2 oz. tube, 35c; pint, \$2.00; quart, \$3.00; gallon, \$8.50.

### Nico Dust

No. 6—Six per cent Nicotine. Especially prepared for garden pests. 1 lb., 45c; 5 lbs., \$1.50; 25 lbs., \$4.00; 50 lbs., \$7.25; 100 lbs., \$14.00.

No. 10—Similar to No. 6 but containing 10% nicotine. 5 lbs., \$1.85; 25 lbs., \$5.25; 50 lbs., \$9.75; 100 lbs., \$18.75.

### Paradow

For Peach Borer Control

This is an unadulterated compound of Paradichlorobenzene which is recommended in Farmers' Bulletin 1246, U.S. Dept. of Agriculture for the control of Peach Borer. Fall application is more desirable but it can be attended to in the spring. Use 1 oz. per tree on those of 6 years or older. Full direction with each order. 1 lb. can, \$1.00; 5 lbs., \$3.00.

### Paris Green

Always uniform, fluffy and free running. Used dry will not clog the dusting machinery.

For potato bugs, use from ½ to ¾ of a level tablespoon to 1 gallon of water. Apply as a dust on cotton, using 1 part Paris Green, 1 part flour, 5 parts lime. On tobacco, use as a dust alone or mixed with Arsenate of Lead. Price ¼ lb. carton, 20c; 1 lb. carton, 50c.

### Revenge

A most effective powder for head lice and other vermin on Poultry, Hogs, Cattle and Horses. "Revenge" gets them when other remedies fail. Apply direct as well as sprinkle in runs and bedding places. 1½-lb. pkg., 45c; 3 lbs., 75c; 6 lbs., \$1.25; 50-lb. pail, \$5.00.

### Semesan Disinfectants

**Ceresan (for Seed Grains)**—Prevent "smut" by treating all seed grains with Ceresan. Only 2 ounces needed per bushel of seed wheat, rye, sorghums or millets and 3 ounces for oats and barley. Price—1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$12.50.

**Semesan** provides effective control of various damping-off diseases, "Brown patch," etc. Price—2 oz., 50c; 1 lb., \$2.50; 5 lbs., \$11.75; 25 lbs., \$46.25.

**Semesan Jr.** is used as a dust disinfectant to control the ear, root and stalk rots of corn. In tests conducted in both Illinois and Iowa by the Federal and State Governments, **Semesan Jr.** increased yields from diseased seed varying amount up to 33%. Price—4 oz., 50c; 1 lb., \$1.50; 5 lbs., \$7.00; 25 lbs., \$28.75.

**Semesan Bel**—Applied to whole or cut seed potatoes, either as a dry powder or in liquid form, **Semesan Bel** will prevent or control the common seed borne potato diseases. Also very effective in treatment of Gladioli and other bulbs. Price—4 oz., 50c; 1 lb., \$1.75; 5 lbs., \$8.00; 25 lbs., \$31.25.

### Sheps Concentrated Cattle Spray

Kills Flies, Mosquitoes, Lice, etc., Effectively

This cattle spray is very highly concentrated. It should be diluted with at least 14 parts kerosene, tractor oil or distillate and will make a good serviceable spray, even when mixed 1 part to 50 of the diluent. 8 oz. size, 60c; 16 oz., \$1.00; 32 oz., \$1.75.

### Sheps Plant Spray

Kills insects effectively on flowers, vegetables, vines, shrubs, and indoor plants. It is non-poisonous. Full directions on each package. (1 oz. makes gallon of spray.) ½ oz., 10c; 1½ oz., 25c postpaid.

### Spray Soap

**Fish Oil**—Dissolve 2 ounces of soap to 1 gallon of water for all small fruit. For large fruit trees, shade trees, etc., use 3 ounces of soap per gallon. Very effective as a spreader for "Black Leaf 40," Nicotene, Liquid, etc. ½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.25. (Not a poison.)

### Snarol

A boon to the gardener. It quickly destroys these garden pests. Just sprinkle Snarol around and under newly planted vegetation. Insure it against destruction. Kills snails, slugs, worms, sow bugs, earwigs, and grasshoppers. 1 lb., 40c; 3 lbs., \$5c.

### Tobacco Dust

When dusted over young plants, it is very efficient in repelling many kinds of bugs and in keeping the foliage from Aphids and Lice. Price—1 lb., 15c; 10 lbs., \$1.00; 100 lbs., \$6.00.

### Treheal

This preparation for sealing tree wounds. It sterilizes the injured part and forms a coating that will not crack or check regardless of temperature. Pt., 30c; qt., 50c; gal., \$1.95. Weight, pt., 1½ lbs., qt., 3 lbs., gallon, 13 pounds. (Not a poison.)

### Volck (Nursery and Greenhouse)

A very meritorious new insecticide, the best remedy we know about for mealy bug which has heretofore been beyond control. It is effective, also, against Cyclamen Mite, Thrips, Red Spider, Aphids, White Fly, Rose Mildew and Scale insects. Dilute one part "Volck" to 22 parts water for general use. Price—½ pint, 35c; pint, 55c; qt., 80c; gal., \$2.00; 5 gal., \$6.75; 28 gal. drum, \$28.00. (Not a poison.)

### Weed Killer (Adco)

Here's a new very remarkable weed killer for lawns. It is a powder that eradicates weeds and does not injure the lawn—in fact, it stimulates it to a more luxuriant growth. It will do more in one hour than a month of labor digging out weeds. (1 lb. covers 100 square feet.) Non-poisonous. If by mail, add postage. 3 lb. (sift top can), 90c; 25-lb. bag, \$3.85.



# Fertilizers - Soil Builders - for Lawn and Garden

Unless otherwise specified, prices on all Fertilizers are f.o.b., Salt Lake. If desired by mail add postage to order.

**Adco** (Artificial Manure)—Mixed with leaves, cuttings, vines, weeds, straw, cornstalk, etc. Adco converts them into rich, real manure, sanitary, odorless, and free from weeds. 25 lb. bag, **\$2.50**; 150 lb. bag, **\$10.50**.

**Bone Meal**—A good fertilizer, should be forked in the soil in the Fall if possible. 10 lbs., **60c**; 25 lbs., **\$1.00**; 50 lbs., **\$1.50**; 100 lbs., **\$2.50**.

**Bat Guano**—A pure, natural manure, excellent for mixing with soil for garden or greenhouse. One part to six parts soil. Especially rich in nitrogen and humus. 25 lbs., **\$1.00**; 100 lbs., **\$2.50**; **\$48.00** per ton.

**Iron Sulphate**—This is a very effective remedy for Chlorosis or "yellows" as it is sometimes called, in plants and shrubs. This condition may be corrected by the application to the soil about the plant of a small quantity of Iron Sulphate. It is very effective also for counteracting alkali in soils. Powdered. Price: lb., **20c**; 10 lbs., **\$1.50**; 100 lbs., **\$13.50**.

**Fish and Meat Meal**—Very much in demand for celery, lettuce and other garden crops. 25 lbs., **90c**; 100 lbs., **\$2.65**. Write for quantity prices.

**Lime Hydrated**—Used for correcting acid soils, improving the mechanical condition of the soil, for grass, farm crops, etc. Broadcast 10 lbs. to 200 sq. ft. or 1 ton to the acre, 5 lbs., **25c**; 10 lbs., **40c**; 25 lbs., **60c**; 50 lbs., **\$1.00**; 100 lbs., **\$1.90**.

**Sheep Manure**—Free from straw and weeds. 50 lb. bag, **\$1.00**; 100 lb. bag, **\$1.75**.

**Sulphate of Potash**—Price: 3 lbs., **25c**; 10 lbs., **60c**; 25 lbs., **\$1.35**; 100 lbs., **\$4.75**.

**Nitrate of Soda**—Same price as Sulphate of Ammonia.

**Stim-U-Plant**—An all-the-year fertilizer for garden and house plants. An odorless, highly concentrated plant-food in tablet form, with guaranteed chemical analysis of 11 per cent nitrogen, 12 per cent phosphoric acid, 15 per cent potash. 30 tablets for **25c**; 100 for **75c**; 1000 for **\$3.50**.

**Sulphate of Ammonia**—Apply 100 to 500 lbs. per acre. Use only after plants are above ground. If used in liquid form dilute 2 oz., to 1 gal. of water and do not apply oftener than twice a week. 5 lbs., **40c**; 10 lbs., **65c**; 25 lbs., **\$1.25**; 100 lbs., **\$3.00**; 1000 lbs., **\$28.00**.

**Treble Super Phosphate**—A very highly concentrated product containing 45% available phosphate. Highly recommended either for application alone or in combination with other fertilizer. Per bag of 125 lbs., **\$4.00**; ton, **\$55.00**.

## Swift's "Red Steer" Fertilizer

The formulas represent proportionate content of Ammonia, Phosphoric Acid and Potash in the order named. We furnish any special mixture desired, to meet definite crop and soil requirements.

**Red Steer Formula 3-10-10**—For apples, cherries and truck garden crops. Use 800 to 1000 lbs. per acre. Price: **\$50.00** per ton; per bag of 125 lbs., **\$3.50**.

**Red Steer Formula 4-8-12**—Especially for orchard crops where high color in fruit is desired. Use 800-1000 lbs. acre. **\$52.00** per ton; bag, 125 lbs., **\$3.75**.

**Red Steer Formula 5-7-8**—For strawberries, small fruits. This formula has been found to be most efficient by large strawberry growers. Use 800 to 1000 lbs. per acre. Price: per ton, **\$52.00**; per bag of 125 lbs., **\$3.75**.

Newest, Quick-  
est Way to  
Apply Plant  
Food to Your  
Lawn

Price, 85c

Postpaid, \$1.00

The old messy way is done away with by the use of this new patented device.

Packed in a compact box — full instructions.

It is so simple to operate that a child can run it. No wasting of fertilizer as it is efficient and does the fertilizing quickly.



## VIGORO Clean - Odorless Easy to Apply Complete plant food

### Enjoy Better Lawns, Flowers and Gardens

There is no secret in having a velvety lawn, colorful flowers, crisp, succulent vegetables, luxuriant shrubbery, and stately trees.

VIGORO, an effective way to secure finest results. The cost is only **10c** to **20c** for every 100 square feet. It is clean, odorless, easy to apply, and contains all of the elements of plant-food required to produce early, vigorous growth, and bring the lawn, fruit, flowers, and foliage to full development.

Bone meal, sheep manure and liquid cow manure need not be used when you feed your plants with clean, odorless VIGORO. Use VIGORO this year on everything you grow. It will help you achieve the gardening success you have wanted. At our low prices it is very economical to use. You need only four pounds to properly feed 100 sq. feet of lawn or garden area.

Complete directions in every bag. Many years of extensive research work and actual growing tests have been devoted by Swift & Company's horticultural experts to the development of VIGORO. Prices, f.o.b. Salt Lake—12-oz. pkg., **10c**; 5-lb. bag, **50c**; 10 lbs., **85c**; 25-lb. bag, **\$1.60**; 50-lb. bag, **\$2.75**; 100-lb. bag, **\$4.50**.

**SPECIAL NOTE**—Market Gardeners and Florists will find VIGORO especially beneficial for use in Hotbeds, Greenhouses and Cold Frames. It adds surprisingly to the vigor and sturdiness of young seedlings.

## Granulated Peat Moss

Most valuable as a soil conditioner. It adds organic matter; conserves moisture and aerates, used extensively for mixing in soil for pot plants, also window boxes, lawn, flower or vegetable garden; mulching Perennial and Rose beds as well as around Evergreens, both broad-leaved and coniferous sorts. We recommend it for packing and storing bulbs, such as Cannas, Dahlias, etc.

**Imported**—Per bale, **\$3.50**. Broken bale lots, 8 lbs., **50c**; 20 lbs., **\$1.00**; half bale, **\$2.00**.

**Domestic**—Answers every purpose of the Imported but contains more moisture. 25 lbs., **50c**; 50 lbs., **75c**; 100 lbs., **\$1.25**; 500 lbs. and over at **\$1.00** per cwt.



## INO-CUL-TATOR

### Hardy, Farm-Grown Bacteria

Absolutely guaranteed to give satisfactory results or your money back. This is for your protection. You are the judge of results. Simple directions for mixing Inoculator with your seed are printed on each package of McQueen's. Do it right in seeder or drill box. No water is used.

### More Loads From Same Acreage

Inoculate your Alfalfa, Sweet Clover, Soybeans, Peas, Vetch, Beans and Clovers of all kinds with McQueen's guaranteed Inoculator. It increases the crop, improves its quality, enriches the soil and saves fertilizer bills.

Cost is small—order for the amount of seed you wish to treat.

For the small seeds—Clovers, Alfalfa  
Sweet Clover, Lespedeza

½ bu. size (for 30 lbs. seed)	.....	\$ .35
1 bu. size (for 60 lbs. seed)	.....	.50
2½ bu. size (for 150 lbs. seed)	.....	1.00
5 bu. size (for 300 lbs. seed)	.....	1.75

For the large seeds—Soybeans, Vetch, Peas,  
Austrian Peas, Cow Peas, Beans

1 bu. size (for 60 lbs. seed)	.....	\$ .35
2 bu. size (for 120 lbs. seed)	.....	.50
5 bu. size (for 300 lbs. seed)	.....	1.00
10 bu. size (for 600 lbs. seed)	.....	1.50

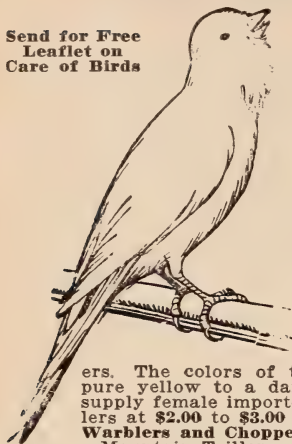
For the Home Garden—Garden packet (for Peas, Beans, Limas, Sweet Peas), **15c**.

Always state kind of seed you wish to inoculate



## P-W.'s Canary Birds

Send for Free  
Leaflet on  
Care of Birds



Our Song Birds Are  
Absolutely Guar-  
anteed to Sing  
Satisfactorily

### St. Andreasburg Rollers

— Our imported St. Andreasburg Roller Canaries, with their soft, pleasing, beautiful bell-note that inspires the mind and brings happiness to the heart of everyone that hears them, will surely become a real joy in any home.

The prices of these wonderful songsters are from \$4.50 to \$10.00. Some extra select at \$15.00 each. The \$15.00 Rollers make wonderful breeders and trainers.

The colors of these birds range from pure yellow to a dark green. We can also supply female imported St. Andreasburg Rollers at \$2.00 to \$3.00 each.

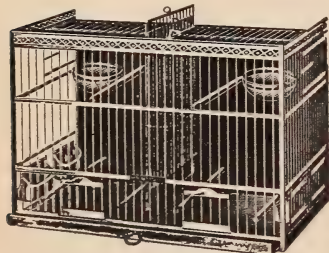
**Warblers and Choppers**—The imported Hartz Mountain Triller, or Warbler Canaries. The song of these canaries is louder than the Roller, but beautiful in its variation. A great many like them equally as well as they do the Rollers. The prices of these canaries range from \$4.50 to \$7.50. Extra select for training and breeding purposes at \$10.00. Price of female, \$2.50.

## Miscellaneous Birds

We also carry a large stock of fancy birds, including: Bullfinches, Parrots, Macaws, Java Sparrows, Finches, Paroquets or Love Birds, etc. As the seasons for obtaining the different birds vary, we do not always have all these different kinds in stock, but you will always find at least a variety of different kinds of fancy birds in our cages, including some kinds not listed above.

## Bird Cages

Our stock of bird cages is most complete, embracing the new and standard styles in brass and color with or without stands to match. Visit our Store the next time you are in the City—it will be a pleasure to show them. The price range is all the way from \$1.50 to \$9.50 each. In case you wish to leave the selection with us if you will kindly tell us the amount you wish to pay and the color desired, we will guarantee to please you.



Breeding Cage Style No. 86S  
86 and 87



One of Our Typical  
Bird Homes

## Breeding Cages

With Solid and Wire Partitions, and Metal Drawer. Complete with 3 glass cups, 6 perches, and 2 nests. No. 55—18x11 in., height 13 in. .... \$4.00  
Special Wood Cage, 20x15x15 in., with Closed Back ..... 3.50

Write for prices on Indoor Aviary Cages

## Stock and Dairy Supplies

### Bag Balm (Or Healer)

This is a splendid remedial agent for the various diseases that attack the udder. Per can, 60c, postpaid.

### Kow-Kare

The best and cheapest insurance on the health of your cows. Price: Large size, \$1.25; medium size, 65c; six large cans, \$6.25.



## Bird Foods and Remedies

### Postpaid Prices

Bird Manna, in cakes ready to attach to edge, each	.....\$ .15
Bird Bitters, Iron Tonic, per bottle	..... .25
Bird Salve, small size can	..... .25
Bird Cage Disinfectant	..... .25
Bird Biscuit	..... .10
Bird Ointment	..... .30
Canaradyne, wheezing and Asthma, per bottle	..... .25
Coloring Pepper	..... .25
French's Bird Seed and Biscuit, 10-oz. pkt., each	..... .25
French's Canary Exercise Balls	..... .25
Lice and Mite Powder, with guns	..... .25
Leg Bands for Birds, numbered, per doz.	..... .25
Mexican Salve, for sores, package	..... .25
Mite Powder, in bags	..... .20
Nesting Food, Spratt's, package	..... .30
Orange Color Food	..... .25
P-W.'s Parrot Food, mix. for parrots, 2-lb. pkg.	..... .45
Pollierackers, spec. biscuit for parrots, 12-oz can	..... .30
Song Restorer, valuable tonic	..... .25
Encyclopedia of Cage Birds (paper cover)	..... 1.00
Encyclopedia of Cage Birds (cloth cover)	..... 1.50
Know your Birds (paper cover)	..... 1.00

## Bird Seed, Etc.

Not Prepaid, add postage if by mail

Canary Seed, re-cleaned, 2 lbs., 35c	.....\$ .20
Cuttle Bone, 5c a piece, ¼ lb., 25c	..... .85
Flax Seed, medicinal laxative, ½ lb., 10c	..... .15
Hemp Seed, re-cleaned, imported, 2 lbs., 25c	..... .15
Maw Seed (Poppy), re-cleaned, ¼ lb., 15c	..... .40
Millet Seed, large yellow, 2 lbs., 25c	..... .15
Oats, steel cut, special bird size, 2 lbs., 25c	..... .15
Rape Bird Sweet, Imported, 2 lbs., 35c	..... .20
Sunflower Seed, 2 lbs., 25c	..... .15
Thistle Seed, ¼ lb., 20c	..... .60
Bird Sand, sterilized, 2 lbs., 15c	..... .10
P-W.'s Mixed Bird Seed — Consisting of sweet re-cleaned canary, re-cleaned Millet Hulled Oats and the large Sweet Rape. Price, 20c per lb.; 2 lbs., for 35c; 3 lbs., for 50c.	
P-W.'s Special Bird Seed Mixture for Roller Canaries — Consisting of Imported Large Sweet Rape and Re-cleaned Canary. This is especially good for your Roller canaries. No waste. Price, 25c per lb.	



Single Spring



Single Point Seed  
and Water Cup,  
Closed Top

## Cage Equipment

Cage Charm Bells, tiny bells to hang on cage, each	.....10c
Perches, all lengths, plain wood; give size wanted, each	.....15c
Seed and Water Cups, "Single Point" opal, porcelain, also glass, either 2 for 25c; each 15c	
Unbreakable Seed and Water Cups — Colors match cages, Duco finish, 25c each	
Bath Houses—Glass sides, fits to side of cage; each, 35c, postpaid	
Bird Cage Nests—Wire cloth, 4 inches diameter; 2 for 45c; each, 25c	
Nesting Hair—Per pkg., 15c	
Cage Springs—Single coil, brass, heavy; each, 15c	
Cage Spring—Single, with 2-ft. ladder chain, adjustable; each, 30c	
Cage Spring—Double coil, brass, prevents cage swinging; each, 30c	
Cage Bracket—Brass plated, heavy, swinging, No. 7 wire; 12-inch; each, 30c	
Cuttle Bone Holder—Hendryx No. 1, to hold small piece in place, 15c	
Bath Dishes, Porcelain—Oval shape, medium size; 2 for 25c; each, 15c	



## Blatchford's CALF MEAL

One pound makes a full gallon of pure milk-substitute at less than half the cost of using milk.

Blatchford's Calf Meal raises calves from babyhood, easy to feed, saves both milk and money. Satisfaction guaranteed with every bag. 25-lb. bag, \$1.25; 50-lb. bag, \$2.50; 100-lb. bag, \$4.85.

For Cow Ease Fly Killer See Page 73



# DOG SUPPLIES



Mange Remedy (Oily dark color)—For swine disease.....	\$.60
Distemperine, liquid (tablets)—For distemper.....	.60
Condition Pills with Pepsin.....	.60
Blood Purifying and Cooling Pills—For Eczema, etc.,.....	.60
Laxative Pills—Keep the bowels right.....	.60
Worm Pills—For the expulsion of worms.....	.60
Vermifuge—liquid—for worms, all ages and breeds.....	.60
Canker Lotion—liquid (tablets), Canker, deafness, etc.,.....	.60
Puppy Tonic—Weak puppies, relieve colic.....	.60
Diarrhea Remedy—liquid (tablets).....	.50
Ceoline Dog Wash and Disinfectant—For fleas.....	.60
Killflea—(Dog Soap).....	.25
Skin Medicine—(Colorless) for skin diseases.....	.60
Cough Remedy—For coughs and colds.....	.60
Digestive Tablets—For all forms of indigestion.....	.60
Little Red Worm Bullets—For toy puppies and dogs.....	.60
Chorea Tablets.....	.60
Killflea Powder—For dogs and cats, per can.....	.35
Tape Worm Expeller—Especially prepared for tape worm.....	.60
Fit Remedy, liquid (tablets)—For fits and convulsions.....	.60
Barnes' Vita-Tonic—Controls worms.....	.60
Spratts Catnip Mice.....	.10
Cat Nip Mice—Same size and shape as a mouse. A wholesome play toy for the cat. Each, 20c, postpaid.	
Dog Collars—A very complete assortment of collars in all sizes and styles. Prices range from 25c to \$4.00.	
Dog Harness—Large stock in all styles and sizes from 50c to \$10.00.	
Dog Chains and Leads—Metal chain leads from 25c to \$1.00. Leather leads from 50c to \$2.50.	
Dog Sweaters—In assorted sizes and colors and two-toned shades from \$1.50 to \$3.00.	

Your correspondence is solicited if you do not find what you want listed here. We carry Baby Alligators, Turtles, and are in touch with breeders of Dogs, Cats, Rabbits, etc. It is our business to get what you want when you want it.

## Gold Fish and Supplies

### Goldfish

Fish must travel by express. Customers pay expressage. No Goods C. O. D.

Small Fish—1½ to 2 inches long. Each.....	15c
Medium Size—2 to 2½ inches long. Each.....	20c
Medium Large—3 inches long. Each.....	25c
Large Size—4 inches long. Each.....	35c
Fantails—According to size. Each, 50c to.....	\$1.00
Telescope—Japanese, bulging eyes, unusually black. Each, 75c to.....	\$1.00
Small Fancy Turtles—In summer only. Each, 25c; 5 for.....	\$1.00

Snails and Tadpoles—Are in stock at suitable seasons.

Tin Pails—For use when shipping fish are sold at about cost. Qt., 10c; 2 qts., 15c; gal., 25c

Book—"The Aquarium," paper cover. Each.....25c

Leaflet on Care of Goldfish Free With Order

### Fish Foods

Prices Include Postage

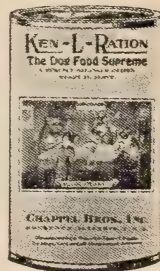
Imported Rice Wafer—Carton.....	10c
Natural—Contains some ground shrimp. Carton.....	10c
Flakes—A cereal preparation. Carton.....	10c
Pulverized Shrimp—For feeding all kinds of fish, 2 oz. pkg., 15c; 2 for.....	25c
Turtle Food—Per carton, 25c; small carton.....	15c

## Dog and Cat Foods

For Dogs, Cats, or any Carnivorous Animal

Put up in convenient sized cans all ready for use. Buy it by the case. Prices are all f.o.b. Salt Lake City. Send extra for postage if by mail. Shipping wt., 1¼ lbs. per can.

**Ken-L Ration** is a cooked, canned, meat product, ready to feed, containing meats, cereals, vegetables and oils, it contains the necessary vitamins and the proper amount of calories necessary for the proper development of any species of Dogs, Cats or Foxes. The amount to feed is regulated by the size of the animal. Generally speaking, animals weighing 8 to 15 lbs., 3 meals in one can; 25 to 30 lbs., 2 meals in one can; 45 lbs. and over, one can per day. Best results will be obtained if KEN-L RATION is fed once or twice a day. To afford the necessary change of diet for dogs, which the dog authorities advocate, is to mix with DOG FOODS. Price per can, 15c each; 7 for \$1.00; 1 case, 4 doz., \$6.00.



**Pup-E-Ration**—A well balanced food for puppies and small dogs. Each, 15c; 3 for 40c; per case (4 doz.), \$6.00.

**Kit-E-Ration**—Specially prepared for kittens. A balanced ration. Each, 15c; 7 for \$1.00; per case (4 doz.), \$6.25.

## Dog Biscuits

For grown or large dogs, feed California Meat-Bone Dog Biscuits once or twice a day. Observation is the only means of telling how many biscuits to feed at one meal. Don't feed too much. Dogs are in best condition when not too fat. The biscuits can be fed dry or moist. If fed moist, cook them with vegetables or pour milk, gravy or soup over them. The dry biscuit keeps the teeth and gums in good condition. Gnawing on them produces the saliva so beneficial to digestion. Keep fresh water where the dog can drink at will and give plenty of exercise. If any food is left remove it.

**Price**—(Bulk) 1 lb., 20c; 2 lbs., 35c; 3 lbs., 50c; 10 lbs., \$1.20; 25 lbs., \$2.75; 50 lbs., \$5.00; 100 lbs., \$8.75.

## Puppy Foods

**Puppy Biscuits Nut Bone**—A perfect food for puppies. Puppies should be put on these when about two to three month old and continued until about six months old. (Bulk) 1 lb., 20c; 2 lbs., 35c; 5 lbs., 55c; 10 lbs., \$1.60; 25 lbs., \$3.50; 50 lbs., \$5.75; 100 lbs., \$10.50.

**Circles or Ovals**—Miniature oval cakes for puppies and dogs. Ideal pocket size (Bulk) 1 lb., 20c; 5 lbs., 90c; 10 lbs., \$1.70; 100 lbs., \$10.50.

**Pup-O**—Granulated for puppies, for young puppies, shy feeders or those recovering from sickness. (Bulk) 1 lb., 25c; 5 lbs., 95c; 10 lbs., \$1.80; 100 lbs., \$10.50.

## Aquarium Supplies

(Prices Are Not Postpaid Unless Noted)

Fish Moss—Postpaid, per bunch, 20c; 2 for.....	\$.35
Dip Nets—4 in. diameter; 13½ in. handle, each.....	.35
Grottoes—Similar to Castles; small, 2½ in. high, each.....	.35
Castles—3 in. high; for ½-gal. globes, each.....	.40
Castles—4 in. high; for 1-gal. globes, each.....	.50
Castles—6 in.; for 3-gal. globes, each.....	.65
Fancy Small Sea Shells—Assorted, per pkg.....	.20
Floater—Turtles, Frogs, Swans, Geese, ea. 10c to.....	.50

## Fish Globes

Heavy Glass—(Not Prepaid)

1-quart size; round globes. Each.....	\$.20
½-gallon size; round globes. Each.....	.35
1-gallon size; round globes. Each.....	.45
2-gallon size; round globes. Each.....	.90

We stock also the squat and drum shape fish globes at same prices of above.

## Aquariums

(Rectangular in shape must be sent by Express or Freight)

Prices range from \$1.35 to \$8.00. We invite correspondence describing the size desired and we will quote prices promptly.



# P.-W.'s FRUIT TREES, Grapes and Grapes



Fruit Assortment

## ABOUT WARRANTY AND GUARANTEE ON NURSERY STOCK

Under the new Nurserymen's Code there can be no replacements for failure to grow. We warrant stock true to name as labeled, to the extent only that if any should prove otherwise, we will replace free or refund purchase price; also we guarantee delivery in good and proper transplanting condition. Any claims for error, damage, or omission must be made immediately upon receipt of shipment, and proper adjustment will be made promptly. Responsibility rests with all customers to examine carefully upon arrival as we can assume no liability for failure to grow after nursery stock has been accepted and planted.

## Our Fruit Stocks Are Acclimated

At our Centerville Nurseries we have a particularly fine lot of strong, healthy fruit trees. This stock has been selected and critically grown to meet the requirements of orchardists planting for eastern or local markets. We believe, also, those of our patrons who are planting a small orchard for home use will find sufficient variety to amply fill every want in the fruit line.

**Average weight of Fruit Trees packed for shipment** as an aid to determine carriage charges: The general run of fruit trees, either in bales or cases, average about as follows: 6 to 8 ft., 2 lbs. each; 4 to 6 ft., 1½ lbs. each; 3 to 4 ft., 1 lb. each; 2 to 3 ft., one-half of a lb. each; Grapevines, one-third of a lb. each.

**Certificate of Inspection, showing freedom of our stock from injurious insects and plant diseases will be attached to all shipments of Nursery Stock.**

## New Tree Protector

This will meet with instant favor with every orchardist. It is an inexpensive protector made from fibre, tough and durable. It can be placed on the young tree in a moment and will stand weather, winter and summer for several seasons. It protects from rabbits, rats and mice, also from peach borers and other insects. It is a protection against hot sun and blistering winds in summer and sun scald in winter.

This protector should be placed on the tree the day it is planted. Insist on getting one for every tree. 3c each; \$2.75 per 100; \$25.00 per 1000.



## P.-W.'s HOME ORCHARD FRUIT COLLECTION NO. 95

Consists of One Each of These Leading Varieties  
1 Red Astrachan 1 Delicious Apple 1 Bartlett Pear  
1 Chinese Apricot 1 Bing Cherry  
1 Italian Prune 1 Concord Grape 1 Niagara Grape  
1 Early Elberta Peach

All the Above Two-Year Stock, the Entire Collection Delivered, All Charges Prepaid to Your Express or Post Office, for only....\$3.50

Make the soil mellow and plant the vines somewhat deeper than they stood in the nursery. Plant about eight feet apart, along the fence or building. For vineyard purposes make rows eight feet apart, six feet in rows. 908 plants per acre. For arbor plant four feet apart. Prune all plants to one cane, cut this back to two eyes at time of planting.

Prices except where noted, 2-year-old stock, each, 25c; ten, \$1.75; fifty, \$5.50; hundred, \$10.00; thousand, \$95.00.

## Hardy American Varieties

**Agawam**—One of the best red varieties; large, pulp tender; sweet, August.

**Campbell's Early**—Large, nearly round, often an inch or more in diameter; black with light purple bloom; skin thin; flavor rich and sweet.

**Catawba**—Red; well known as a wine grape. Bunches large and loose, berries large, of coppery-red color, becoming purplish when well ripened.

**Concord**—Well known, reliable, deep purple. An old standby. Most popular grape on the market.

**Niagara**—Light greenish white; semi-transparent, slightly ambered in the sun; skin thin, tough; sweet to center.

**Worden**—Black, handsome, compact bunch; ripens three weeks earlier than Concord.

## European Varieties

Must have winter protection or favored situation in Mountain States.

**Black Malvoice**—Berries large oblong, reddish black, very juicy.

**Muscat**—Large, light, colored raisin and wine grape.

**Flame Tokay**—Large, sweet, red.

**Thompson's Seedless**—The well-known seedless raisin grape.

**Zinfandel**—Well known wine grape.

Prices—Any of above, each, 25c; ten, \$1.75; fifty, \$5.50; hundred, \$10.00; thousand, \$95.00.

## Plant Small Fruit for Profit

Nothing in fruit growing at the present is attracting more attention than berry growing. Under suitable conditions as to soil, proximity to market or shipping point there is nothing more profitable. Our local markets, even in small towns, are never overstocked and will take everything offered at remunerative prices. Fill up those vacant spaces this year.

## Culture of Small Fruits

Bramble fruits like blackberries, raspberries, dewberries, etc., should have all old wood (older than the previous season's growth) cut out close to the ground each spring and the past season's growth should be trimmed back to 3 or 4 feet in height. All of the old canes should be removed and should be burned.

Mulching of currants and gooseberries will give good results. A strawberry bed should have a light mulch, after the ground has just frozen; and in the spring just about the time growth starts, this covering should be raked between the rows and cultivation resumed.

**"RED STEER" Fertilizer will greatly hasten and increase production.** (See page 75.)



New Latham Raspberries (see p. 79)



# Small Fruit PLANTS and SHRUBS

## Blackberries

**Price**—except where noted, each, 15c; ten, \$1.00; 50, \$3.50; 100, \$6.00; \$45.00 per 1000.

**Early Harvest**—Berries uniform, glossy black; very early.

**Mersereau**—Splendid, large, very productive, without core, sweet, rich flavor.

**Lucretia Dewberries**—(Creeping Blackberry)—Fruit very large, superb quality.

## Currants

Currants should be planted in good, very fertile soil, with liberal manuring, and the tops should be cut back nearly to the crown, allowing only three or four canes to grow the first year. Prune more or less every year to get rid of old wood and keep the bushes open. Plant same as Gooseberry.

**Price**—Except where noted, large 2-year-old roots, each, 30c; 10, \$2.50; 50, \$8.00; 100, \$15.00; 1000, \$125.00.

**Fay's Prolific**—Fruit large, bright red and good flavor.

**Perfection**—Large, bright red; most popular new variety.

**Utah Black** (Native)—Black, rich, fine for jelly.

## Gooseberries

**Price**—2-year-old strong plants, each, 30c; 10, \$2.50; 100, \$15.00.

**Smith's Improved**—Light greenish red, good size, very productive.

**Oregon Champion**—Splendid new red, medium size, wonderful yielder.

**P.-W.'s New White Smith** The largest and finest in the list. Fruit very light green, almost white. Equally good for home or market. Each, 40c; ten, \$3.50.

## Loganberries

A hybrid between blackberry and raspberry. Fruit as large as largest blackberry and produces in large clusters. Each, 30c; 10, \$1.75; 50, \$8.00; 100, \$15.00.

## Raspberries, "Black Caps"

**Prices**—Each, 15c; 10, \$1.00; 50, \$3.50; 100, \$6.00.

**Cumberland**—Healthy, vigorous, throwing up stout, stocky, well-branched canes; immensely productive of large, firm fruits. Mid-season.

**Plum Farmer**—The most profitable early market sort maturing entire crop in a very short period. Berries large, thick-meated, firm; attractive.

## Raspberries, Red Varieties

**Cuthbert** One of the best large, dark reds; excellent flavor. Each, 15c; 10 for \$1.25; 50, \$3.00; 100, \$5.00; 1000, \$40.00.

**Latham** This remarkable and very desirable new variety is certified absolutely mosaic-free, and acceptable anywhere; berries are large and round, with profitable shipping firmness; color a brilliant red. Each 20c; 10, \$1.25; 50, \$4.50; 100, \$7.50.

**St. Regis** Fruit commences to ripen with the earliest and continuing on young canes until October, many quarts often being picked after the first snow falls. Berries bright crimson, large size, rich, sugary with full raspberry flavor; flesh firm and meaty. Each, 20c; 10, \$1.25; 50, \$4.50; 100, \$7.50.



New Youngberry  
Plant for Profit

Plant Small Fruits for  
Quick Returns

## Youngberry

A cross between the Dewberry and Loganberry. Berries larger than loganberries, purplish black and similar to raspberries in flavor. Very vigorous grower, begins bearing at an early age. Hardy, good roots. Each, 20c; 3, 50c; 10, \$1.75; 100, \$15.00.

## Strawberries

All strawberry plants will be sent either Parcel Post or Express, according to quantity.

Plant in rows 4 feet apart, plants 18 inches apart in row, requiring 7,260 plants to acre.

All our plants are put up uniformly in bunches, 25 plants each.

**Marshall**—As a large berry for home use it is peerless. The color is a rich, glossy crimson. 25 plants, 50c; 100, \$1.00; 500, \$2.75; 1000, \$5.00.

**Mastodon Everbearing**—Large luscious deep red berries, juicy and sweet, from June until heavy frost. 25 plants, 75c; 100, \$1.50; 500, \$5.50; 1000, \$10.00.

**P.-W.'s New Mammoth** When the Mastodon Everbearing Strawberry appeared it was thought to be the last word in size and yield. Comparative tests now show that P.-W.'s New Mammoth Everbearing Strawberry is its superior in size, color, flavor and yield. Particular advantages in this new strawberry are that the vines are more dwarf, the berries ripen evenly, easier harvested, larger in size and firmer in texture, making it supreme as a market berry as well as for home use. The first ripe berries appear about a week earlier than Mastodon and continue to bear until snow flies. Price: 25 plants, 75c; 50, \$1.25; 100, \$2.00; 1000, \$15.00.

**New Washington Strawberry** The "Honey-Sweet" Strawberry—Described by the introducer as the "biggest, sweetest and most beautiful medium early Strawberry ever grown." Mammoth berries, deep, dark, glossy red, juice like syrup, sweet as sugar. A wonder for sturdy growth, big yields and long keeping qualities. New in size, new in color, new in taste! Prolong your season and increase your profits with "New Washington". Ripens the same time as the Marshall, similar in shape, but superior in color and quality. 25 for 60c; 100, \$1.50, 500, \$4.50; 1000, \$8.00.



New Washington Strawberry



# P.-W.'s PRUNES, Plums & Peaches

## Plums — Prunes

The trees usually are planted about 20 feet apart, requiring 108 trees per acre. They thrive especially well in back yards, gardens and in chicken runs.

	Height	Caliber	Each	100 Ea.	500
Com. Orchard	3 ft.	7/16"	50c	35c	30c
Mail Size	2½ ft.	5/16"	45c	30c	25c

**Burbank**—Large, round, mottled red and yellow. July.  
**Bradshaw**—Very popular market variety. Large purple.

**Climax**—Japanese variety. Fruit large, heart shaped, cherry red; very attractive. Flesh juicy, sprightly, and delicious. Tree bears heavily at an early age; self-fertile. July.

**Damson**—Medium dark blue; flesh amber; good for preserving.

**Formosa**—One of the best early Japanese plums. Fruit large and heart shaped, becoming cherry red as it ripens, and very attractive. Flesh sweet and of a delicious apricot flavor. Early July.

**Green Gage**—Fruit pale green, rich and juicy.

**HANSKA**—Large, dark reddish purple freestone plum, very fragrant, flesh is yellow and exquisite apricot-plum flavor. Very hardy.

**Jefferson**—Fine, large, early red.

**Opata**—Medium size, freestone, purplish red plum, flesh green of pleasing spicy flavor. Very heavy and young bearer and very hardy. July.

**Peach**—Very large; brown-red; flesh pale yellow. Ripens in early July.

**Pottawatamie**—Excellent small plum for preserving.

**Santa Rosa**—One of the leading shipping plums. Fruit of good size, purplish red, and very attractive. When fully ripe the flesh is reddish in color, juicy and delicious. Late July.

**Sapa**—Medium to large size, freestone, dark purple plum with purple flesh full of rich juice of fine flavor. Ripens a few days after Opata. Very fine for canning. Generally bears next year after planting and bears very heavily. Does well everywhere.

**Satsuma** A fine, large plum; purplish-crimson; pit exceedingly small. Delicious flavor. July.

**Improved French Prune**—This much larger than the old well-known brown French and superior in every way. Fruit red and sweet.

**Italian-Fellemburg Prune** Large oval, dark purple; flesh greenish-yellow; separates freely from stone; best for drying on the market. August-September. Best commercial sort. "Italian" is on peach root; prices are same as peaches. See below for schedule.



J. H. Hale Peach

## Peaches (Standard Sorts)

Probably the finest of our fruits, everybody delights in the flavor of a fine juicy Peach. Should plant in light soils, does not succeed well in low, heavy situations. They should be planted 20 to 25 feet apart, requiring from 70 to 108 trees per acre. Prices according to grades as follows:

	Feet Height	Inches Caliber	Each	10 to 100 (ea.)	100 to 500 (ea.)
Com. Orchard	3' up	7/16-9/16	45c	30c	25c
Mail Size	2' up	5/16-7/16	40c	25c	20c

**USE "PARADOW" FOR PEACH BORER (See page 73)**

**Alexander**—Handsome, crimson. Ripens about July 4. Freestone.

**Crawford's Early**—Freestone. Fruit very large, oblong, yellow with fine red check. Flesh yellow, juicy and sweet. August.

**Crawford's Late**—Ripens September. Otherwise same as Crawford's Early.

**Greensboro**—Double the size of Alexander, ripening at the same time. Flesh white, juicy and good. July.

**J. H. Hale** Large orange-yellow, considered by many superior to Elberta. Freestone.

**Orange Cling**—Very large; yellow with dark crimson cheek; flesh golden-yellow.

**Heath Cling**—Large oblong, creamy white, rich and luscious; valuable canning peach.

**May Flower**—The earliest peach on the market; red all over; flavor excellent. Freestone.

**Elberta** A leading market variety, large, handsome bright yellow overspread with crimson; juicy, fine shipper. Freestone.

**Early Elberta**—About ten days earlier than regular Elberta, otherwise similar.

**Carman**—Color creamy white or pale yellow, with deep blush; freestone. August to September.

**Red Bird Cling**—The earliest of the large clings. Color creamy-white, overspread with red.

**Tuscan Cling**—Large; yellow, heavy bearer and one of our best Clings; fine shipper. In great demand, being one of the first Clings to ripen.

## Peaches (New Varieties)

Prices as follows f.o.b. Salt Lake City:

	Height	Inches Caliber	Each	10 to 100	100 to 500
Com. Orchard	3' up	7/16-9/16	55c	40c	35c
Mail Size	2' up	5/16-7/16	50c	35c	30c

**Golden Jubilee**—Another new large yellow-fleshed freestone. Said to ripen 3 weeks before Elberta and to equal or exceed that variety as a market peach.

**June Elberta (Mikado)**—Elberta type, ripening two or more weeks before and superior in quality to that variety. Fruits large, attractive, blushed. Tree vigorous, hardy, productive.

**Rochester** It is the earliest yellow peach of quality, ripening about a month before Elberta. Fruit medium to large, mottled red, flesh tender, sweet, high quality, freestone. Buds harder than most yellow fleshed peaches. Ripens over a long season.

**Sunbeam**—Medium to large, yellow-fleshed, 4 weeks before Elberta; colors well, fruit firm; sweet and excellent quality. Tree harder than Elberta; said by originator to be semi-cling, but appears to be freestone at Davis County Experiment Station orchard.

**South Haven**—Early yellow-fleshed market peach. Fruit medium to large, deep yellow with red cheek, tree vigorous, productive, hardy. Two or three weeks before Elberta.

"Mail" and "Commercial Orchard" sizes can be forwarded via Parcel Post where necessary, respective weights are indicated on page 78 so as to determine postage necessary.



# P.-W.'s Big Sweet CHERRIES



Typical Cherry Orchard in Full Bloom—Trees from P.-W. Co.

## About Cherries

Cherry trees are a real asset to any home. Big sweet luscious cherries, fresh from the tree, will be appreciated by the whole family. No fruit surpasses it and few approach it. They thrive best in well-drained soil on which the water does not stand close to the surface. Sweet Cherries develop larger trees than the sour, and should be planted at least thirty feet apart each way (49 trees per acre). The Bing and Lambert varieties require pollinizers and we recommend planting the Black Tartarian for this purpose. One tree will pollinize several and in commercial plantings approximately one to twenty should be planted well distributed.

Sour Cherries are smaller trees at maturity than the Sweet and should be planted about twenty feet apart each way, requiring 108 trees per acre. They are adaptable to a much wider area than the Sweet Cherries and require no pollinizers. They can be easily grown in the upper valleys and colder sections of the intermountain states. They are widely used for culinary and canning and are popularly known as the "pie cherry."



Lambert Cherries

## Sweet Cherries

**Bing Cherry** About one week ahead of Lambert. One of the best market cherries. Large deep dark red, nearly black. Meat firm, sweet, and exceedingly well flavored. Ripens in July in Salt Lake valley. Wonderful shipper.

**Lambert Cherry** This follows Bing in ripening and is fully equal to it both as a commercial and home variety. Fruit very large, heart shaped, firm flesh and a rich sweet flavor. It is less subject to frost injury in blossom time than any other of the sweet varieties. Ripens in July.

**Black Tartarian**—Large, purplish-black, sweet. Ripens first of July.

**Windsor**—Fruit large; heavy bearer; beautiful dark color, almost black.

## Sour Cherries

**Early Richmond**—Medium dark red; melting juicy.

**May Duke**—Fruit dark red; juicy and rich. June.

**Reine Hortense**—Sweeter and larger than May Duke. Color deep red. Ripens in August.

**Montmorency**—Improved. This strain produces much larger fruit than the old true Montmorency and has become the leading sour cherry for cold pack and canning; ripens late June to early July.

### PRICES ON ALL CHERRIES—BOTH SWEET AND SOUR

	Height Feet	Caliper Inches	Each	10 to 100 Ea.	100 to 500 Ea.
Home Orchard .....	4 ft. up	9/16-11/16	50c	35c	30c
Coml. Orchard .....	3 ft. up	7/16- 9/16	45c	30c	25c
Mail Size .....	2 ft. up	5/16- 7/16	40c	25c	20c

Extra size specimen trees for small plantings can be furnished at 25c per tree above the home orchard price.

### FOR PROTECTION AGAINST BIRDS

A few Russian Mulberry planted near an orchard of cherries often saves damage by birds eating the fruit; as birds prefer Mulberries to Cherries. See page 89.

See page 78 about Tree Protectors, a very important insurance factor to the life of young trees.



# P.-W.'s APRICOTS and APPLES



P.-W.'s Chinese Apricots

## Apricots

For canning, evaporating and drying purposes, as well as for use in the fresh state, the fruit can hardly be excelled. Plant trees 20 to 25 ft. apart each way.

	Ht.	Caliper	Each	10 to 100 Ea.	500
Home Or. ....	4' up	9-11/16	.50	.35	.30
Com. ....	3' up	7-9/16	.45	.30	.25
Mail .....	2' up	5-7/16	.35	.25	.20

**Colorado**—Fruit very large and of excellent color. Flesh bright orange, tender, mild, very juicy.

**P.-W.'s Chinese** — Large, round, deep yellow. Late June.

**Jones** — Similar in most every respect to P.-W.'s Chinese highly prized locally.

**Moorpark**—Very large, yellowish-green; best variety for no colder sections than Salt Lake. Late June.

## Nectarines

The Nectarine has a smooth skin like the plum. It is like the peach in other ways and requires the same culture. Its pungent, sprightly flavor is reminiscent of both, but with an added deliciousness all its own. Set trees 16 to 18 feet apart.

**Boston**—Bright yellow, red cheek; flesh yellow, freestone, fine flavor. 4-6 ft., each, 90c; \$8.50 per 10. 2-3 ft., each, 70c; \$6.00 per 10.

## Nut Trees

**Almonds, IXL (Soft Shell)** — Nut very large, soft-shelled and smooth. Kernel large and plump. The best variety for planting in this section. 4-6 ft., each, 90c; \$8.50 per 10; \$75.00 per 100. 3-4 ft., 75c; \$7.00 per 10; \$60.00 per 100.

## Quince

**Orange Quince**—Large; roundish, with short neck; beautiful bright golden yellow; an old favorite for making jelly. 7-16—9-16 Caliper, \$1.00 each.

"Mail" and "Commercial Orchard" sizes can be forwarded via Parcel Post where necessary, respective weights are indicated on page 78 so as to determine postage necessary.

## Apples

"The King of Fruits"—"An Apple a Day Keeps the Doctor Away"

No other fruit succeeds over so wide a range of territory and under such diversified climatic conditions, and no other fruit brings so sure a return to the grower in proportion to time and money expended upon its production. It has few rivals among cultivated fruits. Its mild and pleasant acid is a panacea for many of the ills that the human race is heir to. No fruit can be more pleasant to the palate or more beautiful to the eye than the rich, ripe apple when plucked from the tree or more luscious and beautiful when cooked.

The grades and prices on all varieties except "New Red Types" are as follows, f.o.b. Salt Lake City:

	Ht.	Caliper	Each	10 to 100 Ea.	500
Home Or. ....	4' up	9-11/16	.50	.35	.30
Coml. Or. ....	3½' up	7-9/16	.45	.30	.25
Mail .....	2½' up	5-7/16	.35	.25	.20

## Autumn Varieties

**Gravenstein**—Yellow red striped, very large. Ripens in September.

**Maiden's Blush** — Medium size, pale yellow with beautiful red cheek.

**Sweet Bough**—Fruit large, pale yellow flushed red—Sweet flavor, ripens August, September.

**Twenty Oz. Pippin**—Large yellow and striped. Good cooking apple.

**Wealthy**—Dark red, sub-acid. Trees bear very young.

## Summer Varieties

**Early Harvest**—Medium size, nearly round, pale yellow, July and August.

**Red Astrachan**—Fruit large, beautiful deep crimson yellow. Ripens July and August.

**Red June**—Medium size, oblong, red, flush white and juicy, sub-acid. Ripens in July.

**Strawberry**—Medium size, oblong fruit. Deep red, lighter speckled; sub-acid, juicy. Excellent. Ripens July.

**Yellow Transparent**—One of the earliest, pale yellow when ripe; good quality. Succeeds well in cold climates. Ripens in July.

## Winter Varieties

**Red Delicious** — Large, handsome winter apple, delightful flavor, ripens late fall.

**Golden Russet**—Good medium sized early winter apple. Russet brown turning golden-yellow when ripe. Excellent flavor.

**Grimes Golden Pippin** — Rich, golden-yellow; flesh tender, juicy and rich, November to December.

**Jonathan**—Probably the best apple in regard to flavor and quality ever grown in America. Deep red.

**Rhode Island Greening**—Large greenish-yellow.

**Rome Beauty**—Fruit large, yellow with red; good quality and long keeper.

**Wine Sap** — Smooth, greenish-yellow, splashed and striped with red and purple.

**Winter Pearmain**—Pale yellow; flesh yellow, juicy, tender.

**Winter Banana**—Flesh golden-yellow; fine grained and juicy.

(See page 83-84 for New Red Apples)

## Crab Apples

These miniature apples are highly esteemed for making jelly; extremely prolific bearers. Every Home Orchard should have at least one or more trees.

**Siberian**—Beautiful red. September.

Prices on Crab Apples are same as other varieties—See above schedule.

## P.-W.'s Special Bargain Collection No. 98

### 20 VIGOROUS FRUIT TREES

A well selected fruit assortment containing eight different fruits—all of which should be on every home place that has room for them. Our selection of 2 Apricots, 4 Apples, 4 Peaches, 3 Pears, 2 Plums, 1 Prune, 3 Sweet Cherries and 1 Sour Cherry—specially priced while they last. **\$7.50**  
Delivered to your railway station for.....



# A NEW RACE OF RED APPLES



97% of Blackjon Crop Colors Extra Fancy Grade



Common Jonathan Still Green Not Ready for 2 Wks.

**BLACKJON – Plant for Profit** The production of this new early-coloring Blackjon means that this wonderful new strain of Jonathan is going to reach the early markets, in prime condition, well colored and Extra Fancy Grade—and at a profitable price to the grower. It will supply the apple-consuming public something they crave—an apple that is “easy to look at”—and one of the finest from the standpoint of flavor and quality. Because of this slow coloring, growers often leave Jonathan on the trees too long. Jonathans harvested late often reach a crowded market with prevailing low prices. Jonathans left on the trees waiting for color to develop, are usually of poor quality because of over-ripeness. They do not keep well, ship well, nor sell at profitable prices.

However, Jonathan is the first really good apple that goes on the market in the fall. No apple—except Blackjon—has been found to take its place. Blackjon can be picked while “hard ripe.” This insures a firmer apple at picking time than the common Jonathan—consequently it will “hold up” much better. Those who like a crisp, juicy Jonathan, and one with beautiful, deep, cherry-red color, can be assured of getting it in the Blackjon. (See below for prices)

**Shotwell and Richared** Both a typical Delicious, but with beautiful, solid cherry-red color,—color is attained early in the season. Better Quality. Keeps and ships better, fast displacing common Delicious in commercial orchard plantings. The distinction between the “Shotwell” and Richared strains of Delicious is that Shotwell colors up earlier in the season and is a deeper shade of red. Both are identical in shape, size and flavor with original Red Delicious. We have the propagation and salesrights on both strains and can furnish whichever one is desired. See below for prices and page 84 for Color Plate illustration.

Color Grades at Picking Time	Extra Fancy	Fancy	“C” Grade
Shotwell and Richared Delicious .....	90%	7%	3%
Common Delicious .....	52%	36%	12%

**SeeandO Red Rome** (Trade Mark Registered) A brilliant, solid-red Rome Beauty that produces over 50% more Extra Fancy apples for color grade, than common Rome. SeeandO Red Rome is a beautiful apple, identical in quality, productiveness and other characteristics of common Rome—except for a greatly superior color. This great improvement in color overcomes one of the most serious objections to the common Rome Beauty. See below for prices.

Color Grades at Picking Time	Extra Fancy	Fancy	“C” Grade
SeeandO Red Rome .....	84%	14%	2%
Common Rome .....	26%	61%	13%

**Black-Mack** (Trade Mark Registered)—A beautiful early-coloring, solid deep red strain of McIntosh. Originated in Canadian Okanagan. Colors earlier, can be picked when in prime condition, which improves shipping and eating quality and eliminates loss from windfalls.

Color Grades at Picking Time	Extra Fancy	Fancy	“C” Grade
Blackmack .....	84%	12%	4%
Common McIntosh .....	35%	46%	19%

## Prices on New Red Apples

Prices on “Richared,” Shotwell Delicious, Blackjon and Black-Mack	Grade	Each	Each Dz.-lots	Each 25-lots	Each 50-lots	Each 100-lots
4-6 ft. .	.90	.75	.60	.50	.45	.40
3-4 ft. .	.85	.65	.55	.45	.40	.35
2-3 ft. .	.65	.55	.45	.40	.35	.30

Prices on Red Rome	4-6 ft.	.60	.50	.45	.40	.35
3-4 ft. .	.55	.45	.40	.35	.30	.25
2-3 ft. .	.50	.40	.35	.30	.25	.20

500 Lots—5 Per Cent Discount From 100 Rate;  
1000 Lots—10 Per Cent Discount From 100 Rates

## Following Purchase Agreement Required on All New Red Apples:

The Purchaser contracts not to give away or sell or permit any one else to give away or sell or take any of said trees or their progeny or scions, buds or cuttings from these trees or their progeny or any other above named trees or their progeny that may be furnished to the Purchaser in the future by Porter-Walton Co. for a period of twenty-five (25) years after any such trees are furnished, and in case of disposition of the property on which any above named apple trees are planted, to make this agreement a condition of the transfer.





The New

The Old

## Above Shows Difference Between New and Old "Delicious" Strains of Apples

Above cut is color photograph of "**Shotwell Delicious**." Note the striking color advantage it has over the regular Delicious. Richared is a companion variety to Shotwell (see page 83 for prices).

Above is color photograph of "**Regular Delicious**" from a neighboring tree in the same orchard. Both photos taken at the same time (see page 82 for prices on Regular Delicious).

## LUSCIOUS PEARS

The cultivation of this noble fruit is extending as its value is appreciated. One important point in the management of the pear is to gather fruit in the proper time. Summer pears should be gathered at least ten days before they are ripe; and August pears at least a fortnight. Winter varieties may be left until there is danger of frost. Place in a dark room until fully matured. The pear succeeds on most soils, but probably does better on rather sandy loam.

**Bartlett** Fruit large, clear lemon yellow, highly flavored; very juicy. Sept.

**Beurre D'Anjou** Large, of vinous flavor; one of the leading late autumn varieties.

**Keiffer's Hybrid**—Rarely ever blights. Fruit of fine size, rich color and good quality. October and November.

**Parrish Favorite** New, beautiful large winter pear, ripening in November - December. Will keep until spring, retaining its captivating flavor. Never blights. Best winter pear.

**Clapp's Favorite**—Summer pear, resembling Bartlett. Ripens in August.

**Seckel**—Small, yellowish-brown, tender, juicy melting. Ripens in September.

**Winter Nellis**—A good winter variety of medium size. Prices on all the above varieties are as follows—f. o. b. Salt Lake City:

Pears	Height Feet	Caliper Inches	Each	10 to	100 to
				(ea.)	(ea.)
Home Or. 4	ft. up	9/16-11/16	\$ .50	\$ .35	\$ .30
Coml. Or. 3	ft. up	7/16-9/16	.45	.30	.25
Mail .....	2½ ft. up	5/16-7/16	.40	.25	.20

Where extra large specimen trees are desired for special purposes we supply them at 25c per tree above the regular Home Orchard prices.

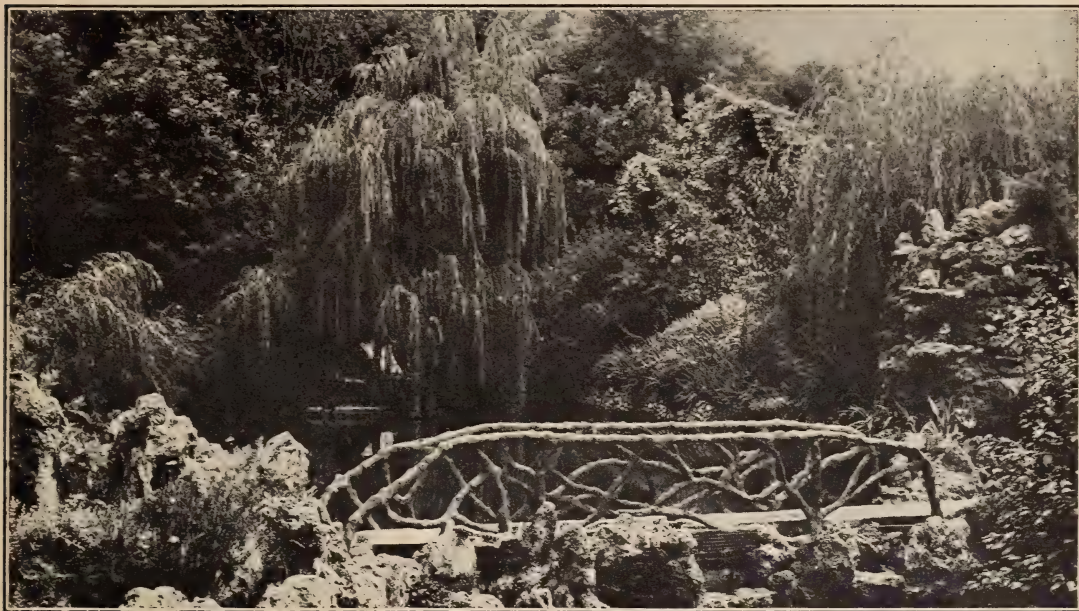


Bartlett Pear



# P-W's Ornamental TREES and SHRUBS for Every Purpose

A city street is not attractive unless softened by the foliage and branches of trees. They shelter the home from excessive heat and dust, add charm to the finest buildings and hide the untidy and unsightly places. There is nothing that adorns a city more than fine shade trees. There is an untiring loveliness as they continually change with the seasons. At the first breath of spring, the swelling buds open into dainty flowers, often inconspicuous, but none the less beautiful. Then follows the delicate tints of expanding leaves that deepen into the richness of mid-summer green. The chill of autumn brings new beauty into the myriad of gorgeous hues that come almost overnight.



The above snapshot shows a glimpse of the attractive home grounds of one of our Salt Lake City customers. By the judicious use of trees and shrubs a veritable wonderland of beauty has been created. To a greater or less degree your own grounds have similar possibilities. (See page 62.)

## Useful Information on Shrubs, Vines and Trees

### Shrubs Having Attractive Berries

Barberry  
Coral Berry  
Chokeberry  
Elders  
Bush Honeysuckles  
Cotoneaster

Mahonia  
Pyracantha  
Japan Quince  
Snowberries  
Cranberry High Bush  
Rhodotypos

### Shrubs for Wet Places

Barberry  
Deutzias  
Dogwoods  
Coral Berry  
Weigela

Hypericum  
Privet  
Snowberry  
Spirea Oulifolia Aurea  
Mahonia Aquifolia

### Trees Suitable for Street and Avenue Planting

Ailanthus  
Ash—Green, Blue  
Box Elder  
Catalpa—Speciosa  
Elm—Moline, English, Chinese  
Horse Chestnut  
Locust

Linden—American, European  
Mountain Ash  
Maple—Norway, Silver, Sugar, Sycamore, Schwedlerii  
Oriental Plane  
Poplar—Carolina, Bolleana  
Sycamore—American

### Trees with Colored Foliage

Maple Schwedlerii—(Purplish foliage)  
Prunus Pissardi—(Leaves purple)  
Poplar Bolleana—(Silvery underneath leaves)

### Shrubs for Shady Places

Elders  
Dogwoods  
Tamarix  
Snowberry

Weigela  
Honeysuckle  
False Spirea  
Coral Berry

Calycanthus  
Nannyberry  
Chokeberry  
Hypericum

### Shrubs for Hedges

Altheas  
Buddleia  
Bush Honeysuckle  
Hydrangea Grandiflora  
Japan Barberry

Lilacs  
Privet  
Spirea Van Houttei  
Rosa Rugosa  
Japan Quince

### Flowering Trees

Ailanthus  
Horse Chestnut  
Flowering Crabs  
Flowering Plums  
Locust  
Magnolia

Flowering Cherries  
Linden  
Catalpa Speciosa  
Laburnum  
Flowering Peach

### Trees for Lawn or Yard

Crab Double Flowering  
Catalpa Bungeii  
Cut-Leaved Birch  
Camperdown Weeping  
Elm  
Evergreens (See page 86)

Weeping Ash  
Mountain Ash  
Mulberry—Teas Weeping  
Willow Weeping  
Flowering Cherries  
Flowering Peach

### Evergreen Trees and Shrubs

Arbor Vitae  
Box Woods  
Junipers

Pines  
Spruces  
Euonymus

Cotoneaster  
Mahonia  
Pyracantha

### Hardy Climbers for Special Situations

#### Climbers for Shady Places

—Celastrus Bittersweet,  
Aplos Tuberosa, Honeysuckle, English Ivy, Euonymous, Boston Ivy.

#### Climbers, for Hot, Sunny Situations and Southern Aspect

—Bignonia Radicans, Clematis, Paniculata, Honeysuckle, Roses, Kudzu.

#### Climbers for North Aspects

—Ampelopsis Veitchii (Boston Ivy) English Ivy, Euonymus.

#### Climbers for Eastern or Western Aspects

—Ampelopsis Engelmanni, Cinnamon Vine, Matrimony Vine, Climbing Roses, Clematis, Wisteria.



# P-W's Hardy Evergreen

## Juniper (Juniperus)

**Chinese Pyramidalis Blue** (Column Juniper)—Very hardy and retain desirable blue color effect during the winter; growth resembles the well known Italian Cypress. 15-18 in., \$2.25; 18-24 in., \$2.75; 30-36 in., \$3.75; 3-4 ft., \$4.50; 4-5 ft., \$5.25; 5-6 ft., \$6.00.

**Communis Depressa** (Prostrate Juniper)—The well known, valuable, many-stemmed Dwarf Juniper. Rarely exceeds 2 feet in height; good for ground cover. 12-15 in., \$1.50; 15-18 in., \$2.00; 18-24 in., \$2.50; 24-30 in., \$3.50; 30-36 in., \$4.00.

**Pfitzer Juniper** (J. Chinensis Pfitzeriana)—Handsome semi-dwarf creeping junipers. 12-15 in., \$1.00; 15-18 in., \$1.50; 18-24 in., spread, \$2.50; 24-30 in., \$3.00; 30-36 in., \$3.50; 3-4 ft., \$4.00.

**Sargentii Blue** (Sargent Juniper)—Forms a low dense mat of widespread branches covered with small dark blue scale-like leaves, mixed with pointed ones. 12-15 in., \$2.00; 18-24 in., \$3.00.

**Scopulorum** (Colorado Juniper)—Narrow, compact and symmetrical. One single stem, in contrast to some varieties of Junipers with several; safe from heavy snows and wind; remains a good healthy color throughout the year. It is a tree that thrives in dry weather. 24-30 in., \$3.25; 30-36 in., \$3.75; 3-4 ft., \$5.00; 4-5 ft., \$7.00; 5-6 ft., \$9.00.

**Sabina** (Savin Juniper)—A semi-erect, bushy plant; useful for grouping and foundation planting. Foliage an even shade of medium green. 12-15 in., \$1.00; 18-24 in., \$2.50; 24-30 in., \$3.00; 30-36 in., \$3.50.

**Sabina Tamariscifolia** (Tamarix Savin Juniper)—Foliage fine texture. Average height is one foot, with a spread of 6 to 8 feet, forming a perfect mat of bluish or gray-green. 18-24 in. spread, \$2.50; 24-30 in., \$3.50; 30-36 in., \$4.00.

**Virginiana glauca** (Silver Red Cedar)—An upright tree of compact growth, columnar form and blue, cypress-like foliage. 3-4 ft., \$5.50; 5-6 ft., \$9.00.

**Virginiana Cannarti** (Cannart Red-cedar)—The leading form of Red-cedar, having deep rich green, heavily tufted foliage. It makes a pyramidal specimen of middle size, reaching 15 to 20 feet. It can be readily trimmed and thus maintained at any size wanted. 4-5 ft., \$6.00 each.

**Spiny Greek Juniper** (J. Excelsa Stricta)—Tall, dense, narrow, conical head; fine glaucous color. Well adapted for foundation plantings where small or dwarf trees are required. 12-15 in., \$1.50; 18-24 in., \$2.50; 24-30 in., \$3.50; 30-36 in., \$4.00.

## Spruce (Picea)

**Engelmanni**—Makes fine symmetrical specimens. Undersides of leaves light blue. 1½-2 ft., \$3.00; 2-2½ ft., \$5.00.

**Black Hills Spruce**—Very compact and symmetrical in all stages of growth. Extremely hardy, color of foliage bright green to bluish tints. 1½-2 ft., \$3.00; 2-2½ ft., \$4.00; 2½-3 ft., \$5.00 each.

**Koster's Blue**—The aristocrat of the evergreen family, by far the shapeliest spruce, and the truest, most persistent blue in color of any known tree. Formerly imported from Europe, but now again in American propagation. 18-24 in., \$5.00; 2½-3 ft., \$10.00; 3-3½ ft., \$14.00 each.

**Norway**—A lofty, noble tree. Very popular. Effective in groups or for hedges and wind breaks. Foliage is rich, dark green and this variety is most commonly used for Christmas trees. 1½-2 ft., \$2.00 each; 2½-3 ft., \$3.50 each; 3-4 ft., \$5.00.

**Colorado Blue Spruce** (Picea Pungens Glauca)—It is the rarest blue of any evergreen; fine compact habit. 12-15 in., \$3.00; 15-18 in., \$3.75; 1½-2 ft., \$4.50; 2-2½ ft., \$6.00; 2½-3 ft., \$7.00; 3-4 ft., \$8.00 each.

**Colorado Spruce** (Picea Pungens)—Similar to above except foliage is light green. 12-15 in., \$2.00; 1½-2 ft., \$3.00; 2-2½ ft., \$5.00; 2½-3 ft., \$6.00; 3-4 ft., \$7.00.

## Pine (Pinus)

**Austrian Pine**—The leaves are two in a sheath, straight and slender, from 4 to 5 inches long, of a deep, rich green color. Coal, gas and smoky atmosphere have no effect on its growth. 18-24 in., \$2.50; 3-4 ft., \$5.00 each.

**Mugo** (Dwarf Pine)—Leaves short, stiff and formal, thickly distributed in tufts over the branches; globular form. 12-15 in., \$2.00; 15-18 in., \$3.00; 18-24 in., \$4.00; 24-30 in., \$5.00.

## Fir (Abies)

**White Fir** (Abies Concolor)—Forms a compact, symmetrical tree. Needles are grayish-blue which contrast to the usual characteristics of firs. 12-15 in., \$3.00; 15-18 in., \$3.50; 18-24 in., \$4.00; 2-3 ft., \$5.00.

## Libocedrus

**Decurrens** (Incense Cedar)—One of our finest evergreen trees. Makes a tall, narrow, pyramidal or columnar tree with deep green, lustrous foliage, very dense and compact. A wonderful tree for general planting. Field grown. 10-12 in., \$1.25; 3-4 ft., \$4.00.



Thuja Berkman's Golden Orientalis Aurea Nana



Daphne Cneorum



Sabina Tamariscifolia

All Evergreens are quoted f.o.b. Salt Lake City. See page 95 for quantity price schedule. We advise Freight or Express. Most sizes are too large and heavy for Parcel Post shipment.



Koster Blue Spruce



1—Virginiana 2—Pfitzer  
3—Oriental Thuya



# TREES and SHRUBS

## Thuya (Arbor-Vitae)

**Thuya Beverleyensis** (Golden Tinged Column Arborvitae)—15 to 20 ft. The tallest and stateliest of Arborvitae, growing into a narrow pyramidal column of golden green foliage. 12-15 in., \$1.00; 15-18 in., \$1.50; 18-24 in., \$2.00; 24-30 in., \$2.50; 30-36 in., \$3.00; 3-4 ft., \$3.50; 4-5 ft., \$4.50; 5-6 ft., \$5.50; 6-7 ft., \$7.00; 8-9 ft., \$10.00.

**Thuya Globosa** (Globe Arbor-Vitae)—Forms a dense, low globe; handsome shade of green. Diameter 12-15 in., \$2.50; 15-18 in., \$3.00; 18-24 in., \$3.50.

**Thuya Meldensis**—Pyramidal in shape and of dense growth; foliage a deep shade of green. Dwarf habit. 12-15 in., \$1.50; 15-18 in., \$1.75; 18-24 in., \$2.25; 24-30 in., \$3.00; 30-36 in., \$4.00.

**Thuya Orientalis Aurea Nana** (Berckman's Dwarf Evergolden Arbor Vitae)—The most wanted arborvitae. Very dwarf golden tipped oval shape. Always shapely and beautiful. 10-12 in., \$1.25; 12-15 in., \$1.50; 15-18 in., \$1.75; 18-24 in., \$2.25; 24-30 in., \$3.00; 30-36 in., \$4.00; 36-40 in., \$5.00.

**Thuya Orientalis Pyramidalis** (Chinese Arbor-Vitae)—Comparatively low, broadly pyramidal tree. Color yellowish-green. 15-18 in., \$1.50; 18-24 in., \$2.00; 2-3 ft., \$3.50; 3-4 ft., \$4.00; 4-5 ft., \$5.00; 5-6 ft., \$6.00.

**Thuya Pyramidalis Occidentalis** (Pyramidal Arbor-Vitae)—Compact and erect. Foliage a deep green, retaining color. 15-18 in., \$2.00; 18-24 in., \$2.50; 24-30 in., \$3.00; 30-36 in., \$4.00; 3-4 ft., \$5.00; 4-5 ft., \$6.00.

## Berberis (Barberry)

**Stenophylla**—Long slender, arching branches. Leaves small, long and narrow, dark green above, silvery beneath. Flowers deep golden yellow. 20-24 in., \$2.00 each.

**Triacanthophora**—A new variety introduced from China. Of low spreading habit with dark bluish-green foliage and golden flowers;

berries are purplish-blue. 12-15 in., \$1.25; 20-24 in., \$2.00 each.

**Wilsonae** (Wilson Barberry)—4 ft. A beautiful hardy shrub with gray-green foliage turning a brilliant reddish-bronze in the fall. Flowers golden-yellow in dense clusters; salmon-red berries in the fall. 24-36 in., \$2.50.

## Cotoneaster

**Prostrata Horizontalis**—Low, flat spreading, bright glossy green, very attractive. Covered in April with masses of tiny pink flowers and in the fall with minute, brilliant scarlet berries and foliage. 12-15 in., \$1.50; 18-24 in., \$2.00; 2-3 ft., \$3.00.

**Simonsi**—White. June. Semi-evergreen quite erect. Leaves are dark green and usually adhere late in the season. Showy bright red fruit borne on the slender, erect branches all along the stems. 12-15 in., \$1.00; 2-3 ft., \$1.50.

## Euonymus

**Japanese Green and Golden Variegated**—These are upright shrubs of moderate size, rather compact growth. Foliage is green, or green with yellow center depending on variety ordered. Bush form either type. 15-18 in., \$1.00; 3-4 ft., \$3.50; 4-5 ft., \$5.00.

## Mahonia

**Aquifolia** (Oregon Grape or Holly-leaved Ashberry)—A beautiful evergreen shrub with smooth, shining holly leaves; bright yellow flower clusters in May, and blue berries. The leaf color varies capriciously throughout the year, assuming all shades of green, with flecks of red and bronze. 15-18 in., \$1.25; 18-24 in., \$2.00; 2-3 ft., \$2.75.

**Illicifolia**—This attractive shrub grows from six to eight feet at maturity. The foliage is dark green, leaves rather large, coarsely spiny-toothed. Flowers orange-yellow. 18-24 in., \$2.25.

## Photina

**Glabra**—Most attractive evergreen variety of the Photinas. It produces large panicles of white flowers from June to July followed by large red berries ripening in December, contrasting well with the glossy dark green foliage. A very striking object, especially in winter. 12-15 in., \$75c.

## Pyracantha

**Burning Bush** (P. coccinea Lalandii)—Deservedly popular on account of its clean, upright growth, bearing to great profusion of small flowers in flat corymbs, followed by a mass of orange-red berries in early fall which remain on the plant until spring; firm green foliage. Attains height of 10 feet, but can be trimmed to any lower height desired. 15-18 in., \$2.00; 18-24 in., \$2.50; 2-3 ft., \$3.00; 3-4 ft., \$4.00.



Berberis Wilsonae



Mahonia Aquifolia



Pyracantha Lalandi



Thuya Beverleyensis





Cut-Leaved Weeping Birch

# P-W's Hardy Ornamen-

## Ash (Fraxinus)

**American White** (*Fraxinus Americana*)—A rapid growing native tree of fine symmetrical outline. Price—4-6 ft., 50c each; 6-8 ft., \$1.00 each; 8-10 ft., \$1.50 each.

**Blue Ash** (*Fraxinus Quadrangulata*)—Very shapely symmetrical tree for Park or Avenue. Bark smooth of deep bluish green, leaves larger than other varieties of Ash, deep green, changing in autumn to reddish purple. 6-8 ft., \$1.50, 8-10 ft., \$2.00; 10-12 ft., \$2.50.

**Green Ash** (*Fraxinus Lanceolata*)—Shapely round top with dark green foliage. Price: 3-4 ft., 75c; 4-6 ft., \$1.00 each; 6-8 ft., \$1.25 each; 8-10 ft., \$1.50 each.

**European Mountain Ash** (*Sorbus Aucuparia*) (Rowan Tree)—Flowers white, in flat clusters, four to five inches broad, followed by rather large, red berries. Very handsome at any season. 4-6 ft., \$1.00; 6-8 ft., \$1.25 each; 8-10 ft., \$1.75 each; 10-12 ft., \$2.25 each.

## Birch (Betula)

**Cut Leaved Weeping Birch** (*Betula alba pendula laciniata*)—Very beautiful form of European White Birch. The main trunk, with snow-white bark, grows straight as an arrow. Branches spread but slightly, while the fine slender shoots hang vertically. The foliage is fine and deeply cut. Many con-

sider this the most beautiful deciduous tree in cultivation. 6-8 ft., \$2.00; 8-10 ft., \$2.50; 10-12 ft., \$3.00.

**European White Birch** (*Betula Alba*)—Of which Coleridge says: "Most beautiful of forest trees, the lady of the woods." Tall, upright, distinctive white bark. 6-8 ft., \$1.25; 8-10 ft., \$1.75 each.

## Catalpa

**Bungel** (Umbrella Tree)—Beautiful globe-shaped tops being grafted high on clean, straight stems; valuable for landscape designing, especially for formal effects. One year head, \$2.00; two-year-old heads, \$2.50; 3-year-old

heads, \$3.00.

**Speciosa** (Western Catalpa)—Rapid grower producing large panicles of fragrant flowers, delicately marked with violet and yellow. 4-6 ft., 50c; 6-8 ft., \$1.00; 8-10 ft., \$1.25; 10-12 ft., \$2.00 each.

## Flowering Cherries

**Double Cherry** (*Prunus Florepleno*)—A charming small tree with branches completely covered with a mass of large double flowers in May. Either Pink or White. 3-4 ft.,

\$1.00; 4-6 ft., \$1.75.

**Japanese Weeping Cherry**—Famous flowering cherries of Japan. Beautiful specimens, blooming in profuse panicles. 5 ft., Standards, \$4.00 each.

All prices quoted on trees are f.o.b. Salt Lake City. See page 90 for quantity price schedule. Small sizes under four feet can be sent parcel post where desired. Add 15c each extra for packing and postage.



At left—European Mt. Ash; at right—Green Ash

## Flowering Crabs

**Atrosanguinea** (Carmine C.)—Brilliant carmine red, single. 2-3 ft., 75c; 3-4 ft., \$1.00.

**Niedzwetzkyana** (Redvein C.)—Large deep pink flowers; red bark, leaves and fruit. 2-3 ft., 75c; 3-4 ft., \$1.00.

**Scheideckeri** (Scheideckeri C.)—Large deep pink flowers; yellow fruit.

2-3 ft., 75c; 3-4 ft., \$1.00.

**Bechtels Double Flowering**—Hardy, of medium size, covered in early spring with large, beautiful double, fragrant flowers, resembling small roses of a delicate pink. Ideal for a small yard. 2-3 ft., 75c; 3-4 ft., \$1.00; 4-6 ft., \$1.50 each.

## Ailanthus (Tree of Heaven)

**Grandulosa**—A rapid growing, lofty tree, long, elegant foliage. Exempt from disease and insects. 4-6 ft., 90c each; 6-8 ft., \$1.00 each; 8-10 ft., \$1.50 each.

## Box Elder

**Ash-Leaved Maple** (*Acer Negundo*)—A fine, rapid-growing avenue tree, withstands both cold and drouth; thrives where other trees fail. 4-6 ft., 50c; 6-8 ft., 75c; 8-10 ft., \$1.00; 10-12 ft., \$1.50 each.

## Cornus (Dogwood)

**White Flowering Dogwood** (*Cornus Florida*)—Flowers white, 3 to 3½ inches in diameter, produced in spring before leaves appear; very abundant, showy and durable. Foliage grayish green, glossy and handsome; in the autumn turning to deep red. Spreading, irregular form, growing 20 to 25 feet high. 3-4 ft., \$2.00 each.

## Golden Chain

**Laburnum Vulgare**—Small, quick-growing tree with soft, deep green clover-shaped leaves retaining their color until late in fall. Flowers fragrant, bright, yellow, in long, drooping racemes. 5-6 ft., \$1.50; 6-8 ft., \$2.00.



Famous Flowering Cherries, Washington D. C.



# tal TREES For Shade and Beauty

## Elm (Ulmus)

**American Elm** (*Ulmus Americana*) — Tall and stately with a graceful, wide-spreading form vase-like, densely covered with a rich, bright green foliage. 4-6 ft., 50c each; 6-8 ft., \$1.00 each; 8-10 ft., \$1.25; 10-12 ft., each, \$1.75

**Cork Elm** (*Ulmus racemosa*) — Tall, majestic, with spreading branches, corky winged; free from scale and disease. 6-8 ft., \$1.75.

**English Elm** (*Ulmus Campestris*) — A native of Europe; a noble rapid-growing tree, forming a dense head; a desirable tree for streets, avenues, etc., 6-8 ft., \$1.75 each; 8-10 ft., \$2.50 each.

**Moline Elm** — The young tree is, in shape, somewhat like a Lombardy Poplar, with leaves often 6 inches across. The older trees

become more spreading with more nearly horizontal branches. 6-8 ft., \$1.00 each; 8-10 ft., \$1.50 each; 10-12 ft., \$2.00.

**New Chinese or Siberian Elm** (*Ulmus Pumila*) — A clean, fast grower, free from disease and pests. Thoroughly hardy and vigorous under most trying soil and climatic conditions. Its resistance to drouth, alkali and extreme temperature makes it very valuable for our Western conditions. 3-4 ft., 35c each; 4-6 ft., 50c; 6-8 ft., \$1.00; 8-10 ft., \$1.25; 10-12 ft., \$1.75; 12-14 ft., \$2.00.

**Camperdown Elm** (*U. scabra pendula*) — Always top grafted. Limbs grow outward and downward, giving the tree a remarkable picturesque aspect. 2-year heads, \$2.50 each; 3-year heads, \$3.00.

## Hawthorne (Flowering Thorns)

**English Double Flowering White** (*Crataegus Oxyacantha fl. pl.*) — The double white form of the fragrant English Hawthorne; flowers in May and June. Color changes to pink before blossoms fall. 3-4 ft., \$1.00; 4-6 ft., \$1.50 each.

**Paul's Double Scarlet** (*Crataegus Monogyna Pauli*) — Flowers deep crimson scarlet; very double, followed by large red berries borne freely. 8-10 ft., \$2.00; 6-8 ft., \$1.50; 4-6 ft., \$1.25.



Globe Locust

## Linden

**American** (*Tilia Americana*) — A stately tree, forming a fine, broad, round head with large, shining cordate leaves. Its flowers appear in yellow drooping clusters intensely fragrant. 6-8

ft., \$2.50 each; 8-10 ft., \$3.00.  
**European** (*Lime Tree*) — Pyramidal shape, foliage similar to American Linden, white flowers in June. 6-8 ft., \$2.50; 8-10 ft., \$3.00 each.

## Locust

**Common or Black Locust** (*Robinia pseudacacia*) — Rapid growth, valuable for timber as well as ornamental. The flowers in long racemes, white and fragrant, in June. 4-6 ft., 50c each; 6-8 ft., 60c each; 8-10 ft., \$1.00 each; 10-12 ft., \$1.50; 12-14 ft., \$2.00.

**Honey Locust** (*Gleditsia triacanthos*) — A large vigorous tree, with wide-spreading branches, feathery. 4-6 ft., 50c each; 6-8 ft., 75c each; 8-10 ft., \$1.00 each.

**Pink-Flowering Locust** (*Robinia pseudacacia decaisneana*) — Remarkable for its vigorous growth and fine, pink-colored flowers, which it produces in great abundance. 6-8 ft., \$1.50 each; 8-10 ft., \$2.00.



New Chinese or Siberian Elm

**Thornless Honey Locust** — Same as Honey Locust, except it is without thorns. 8-10 ft., \$2.25 each; 6-8 ft., \$1.75 each.

**Globe Locust** — Unusually attractive; forms round-headed tree — without trimming. 1-year head, \$2.25; 2-year head, \$2.50; 3-year head, \$3.00.

**Rose Acacia** — Beautiful pink pea-like flowers in long racemes in June. A very charming small tree. 4-5 ft., standards, 2-year head, \$3.00; 1-year head, \$2.00.

## Horse Chestnut

**White Flowering** (*Aesculus hippocastanum*) — The handsome European species; has magnificent spikes of white flowers borne in great profusion and sweetly scented. 4-6 ft., \$2.00 each; 6-8 ft., \$2.50 each; 8-10 ft., \$3.00 each.

## Mulberry

**Mulberry, Russian** (*Morus tatarica*) — Rapid growth; round headed profuse foliage; used to attract birds. 4-6 ft., 50c; 6-8 ft., 75c each; 8-10 ft., \$1.00 each.

**Mulberry Tea Weeping** (*Morus alba pendula*) — The long, slender, drooping branches of this tree give it a very unusual and much admired appearance. Prized for lawn planting. 2-year heads, \$2.00; 1 year head, \$1.50.

**Kingman** (Fruitless) — 30 ft. A good strong growing dense shade tree, but without fruit, thus avoiding the staining of walks under the tree. Extremely rapid in growth and one of the best shade or street trees for southern Utah, Nevada, and other hot, dry arid climates. 6-8 ft., \$1.50 each; 8-10 ft., \$2.00 each.



Golden Chain (*Laburnum*)



# ORNAMENTAL TREES For Shade and Beauty

(CONTINUED)

## Maples (Acer)



Norway Maple

**Silver** (*Dasycarpum*)—A large tree with wide spreading branches. Very fast grower, makes dense shade and thrives in any soil. 5-6 ft., 50c each; 6-8 ft., 75c each; 8-10 ft., \$1.00 each; 10-12 ft., \$1.50 each; 12-14 ft., \$2.00 each.

**Norway** (*A. Platanoides*)—A large handsome tree of spreading rounded form, with shiny, deep green foliage. Usually very symmetrical. One of the most desirable species for the street, park or lawn. 6-8 ft., \$1.50; 8-10 ft., \$1.75; 10-12 ft., \$2.25 each.

**Globe Norway**—Assumes globe shape without pruning; same foliage as Norway. 6½ ft. Standards well formed, \$3.00 each.

**Schwedleri**—A red and purple, contrasts brightly with the delicate green of other trees. In mid-summer they are purplish green, in autumn, golden-yellow. 6-8 ft., \$2.00; 8-10 ft., \$2.50.

**Sycamore** (*A. Pseudo platanus*)—Rapid, upright growth; smooth, ash-gray bark; leaves large, five-lobed, deep green above and glaucous beneath. 6-8 ft., \$1.75.

## Poplar (Populus)

**Bolleana** (*P. Bolleana*)—A tall columnar, rapid growing, hardy tree. Leaves triangular, the borders serrate, glossy green above and silvery beneath. 4-6 ft., 35c each; 6-8 ft., 50c each; 8-10 ft., \$1.00 each; 10-12 ft., \$1.50 each; 12-14 ft., \$2.00 each.

**Carolina** (*P. deltoides Carolinensis*)

—Rapid grower; desirable for quick shade. 6-8 ft., 35c each; 8-10 ft., 55c each; 10-12 ft., 75c each; 12-14 ft., \$1.00 each.

**Lombardy** (*P. nigra italica*)—Grows to a great height; narrow and columnar. Of great value in landscape work. 10-12 ft., \$1.00 each; 8-10 ft., 75c each; 6-8 ft., 50c each; 4-6 ft., 35c each.

## Plane Oriental

**European Sycamore; Oriental Plane** (*P. orientalis*)—It forms a fine spreading, well-rounded head. Entirely free from disease or pests. Leaves are large, dark green and deeply lobed. One of the very best street trees. 4-6 ft., \$1.00; 6-8 ft., \$1.25; 8-10 ft., \$1.75; 10-12 ft., \$2.25; 12-14 ft., \$3.00.

## Redbud

**American Judas** (*Cercis Canadensis*)—Striking ornamental trees loaded with a mass of pea-shaped pink blossoms in early spring, before the leaves appear. 4-6 ft., \$1.50; 6-8 ft., \$2.00 each.

## Tulip Tree

**Liriodendron** (*tulipifera*)—Tall, pyramidal habit; bluish-green, glossy, fiddle-shaped leaves; flowers tulip-like, greenish-yellow. 3-4 ft., \$1.50; 4-6 ft., \$2.00; 6-8 ft., \$2.50.

## Walnut

**Black** (*Juglans nigra*)—A magnificent tree attaining great size. Its edible nuts are borne in great quantity. 4-6 ft., \$1.00 each; 6-8 ft., \$1.50; 8-10 ft., \$2.00.

Prices quoted on trees are f.o.b. Salt Lake City. See table below for quantity price schedule. Small sizes, under four feet, can be sent parcel post where desired. Add 15c per tree extra for packing and postage.



Oriental Plane

## Flowering Plum

**Purple-Leaved** (*Prunus Pissardi*)—Handsome form, with rich, purple leaves. Covered in early spring with beautiful white flowers, later with wine-red fruits. 3-4 ft., 75c; 4-6 ft., \$1.00.

**American Black** (*Salix nigra*)—6-8 ft., 60c; 8-10 ft., 85c; 10-12 ft., \$1.00 each.

**Golden** (*Salix vitellina aurea*)—Good for windbreaks. 6-8 ft., 60c; 8-10 ft., 85c; 10-12 ft., \$1.00.

**Pussy Willow** (*Salix discolor*)—Attractive catkins form on the branches in early summer. 4-6 ft., 50c; 6-8 ft., 75c; 8-10 ft., \$1.00.



Babylonian Weeping Willow

## Olive

**Russian** (*Elaeagnus augustifolia*)—Its foliage is of a remarkable silvery hue; admirable for tall backgrounds; also useful for hedges, either trimmed or untrimmed. 2-3 ft., 50c; 3-4 ft., 65c; 5-6 ft., \$1.00 each.

## Willow

**Triloba** (*Double Flowered Plum*)—Very early; before leaves appear the whole tree is decked in a fleecy cloud of very double light pink blossoms. 3 to 4 ft., 75c each; 4 to 6 ft., \$1.00 each.

**Babylonian Weeping Willow** (*Salix babylonica*)—A tree of stately appearance with long, pendant branches swaying their silvery foliage in every breeze; quick to take hold when transplanted. 6-8 ft., \$1.25; 8-10 ft., \$1.75.

**Matsudana** (*Hankow Willow*)—Splendid new variety from China. Grows more upright than "Babylonian." Very vigorous, rapidly develops into magnificent tree 35 feet in height. Should prove hardy everywhere in the Mountain States. 4-6 ft., \$1.00; 6-8 ft., \$1.25.

## Peach

(Double Flowering)

(*Amygdalus Persica*)—The entire tree and every branch is simply a mass of blossoms, appearing before the leaves, making an immense bouquet of gorgeous color. Fast growing and very hardy; should be planted more. **Double White, Double Pink, Double Red.** 3-4 ft., \$1.00; 4-6 ft., \$1.25.

**Weeping — Double Flowering — White**—Pendant branches massed with double white blossoms before the foliage appears. Most attractive. 5 ft. Standards, 3 yr. heads, \$3.00 each.

## Quantity Price Schedule for Trees, Shrubs, Etc.

Where each price only is printed in this Catalog the table below determines the 10 and 100 rates on the respective items of trees and shrubs. Unless otherwise specified the prices are f.o.b. Salt Lake City.

Where each Price is	Per Ten Rate is	Per 100 Rate is	Where each Price is	Per Ten Rate is	Per 100 Rate is	Where each Price is	Per Ten Rate is	Per 100 Rate is
\$.25	\$ 2.25	\$ 20.00	\$.80	\$ 7.50	\$ 64.00	\$2.75	\$24.75	\$220.00
.30	2.70	24.00	.85	8.00	67.50	3.00	27.00	240.00
.35	3.25	28.00	.90	8.50	72.00	3.25	29.25	260.00
.40	3.60	32.00	.95	9.00	76.00	3.50	31.50	280.00
.45	4.00	36.00	1.00	9.50	80.00	3.75	33.75	300.00
.50	4.50	40.00	1.25	11.25	100.00	4.00	36.00	320.00
.55	5.00	44.00	1.50	13.50	120.00	4.25	38.25	340.00
.60	5.50	48.00	1.75	15.00	140.00	4.50	40.50	360.00
.65	5.75	52.00	2.00	18.00	160.00	4.75	42.75	380.00
.70	6.25	56.00	2.25	20.00	180.00	5.00	45.00	400.00
.75	6.75	60.00	2.50	22.50	200.00	5.50	50.00	440.00

Five or more of one variety at the 10 rate, 25 or more at the 100 rate.



# Hardy Ornamental VINES and CREEPERS

Your home, outbuildings, fences and trunks of old trees can be made very attractive by the use of hardy vines. Such permanent improvements add greatly to the value of your property, and the value increases from year to year. We furnish strong two-year-old field plants at prices given below.

**AKEBIA QUINATA**—A perfectly hardy, fast growing vine, with magnificent foliage never attacked by insects; producing chocolate-purple flowers in large clusters, delightfully fragrant. Each, **75c.**

## Ampelopsis

**AMPELOPSIS ENGELMANII**—New Virginia Creeper—Equipped with tendrils, by which it will climb walls of stone or brick, similarly to Boston Ivy. Each, **35c.**

**AMERICAN IVY** — Virginia Creeper or Woodbine (*Ampelopsis quinquefolia*)—A strong, rapid grower. Hardy everywhere. Each, **35c.**

**BOSTON OR JAPAN IVY** (*Ampelopsis Veitchii*)—One of the finest climbers for covering walls, as it clings firmly to the smoothest surface, covering it evenly with overlapping leaves, which form a perfect mass of foliage. The color is fresh deep green in summer, changing to bright shades of crimson and yellow in autumn. Each, **50c.** Established in cans, **75c.** These established plants do away with the difficulty some have experienced in getting Boston Ivy started.

## Aristolochia Sipho

**Dutchman's Pipe Vine**—A vigorous and rapid-growing climber, bearing brownish colored flowers which resemble a pipe in shape. Each, **65c.**

## Bignonia Radicans

**Scarlet Trumpet Vine**—For covering unsightly places, stumps, rockwork or planting in crevices in ledges, the Bignonias will be found very useful. The flowers are large, attractive and showy, and borne profusely when the plant attains a fair size. Each, **50c.**

## Celastrus Scandens

**Bittersweet, or Waxwork**—One of our native climbing plants of rapid growth, succeeding in almost any situation, sun or shade, with attractive light green foliage and yellow flowers during June, followed in the autumn by bright orange fruit which usually remains on the plant throughout the winter. Each, **50c.**

## Clematis

Many failures are the result of too shallow planting. The crown of the roots should be set at least 3 inches below the surface of the soil.

**Paniculata** (Japanese Virgin's Bower)—Strong, rapid growth, with small, dense, cheerful green foliage. Blooming in profusion during August, and continues until late fall. Flowers are white and deliciously fragrant. Each, **50c.**

**Jackmanii**—The best known and most valued variety of this popular family. A perfect mass of bloom when in full flower. Color, dark, rich, royal purple. 1 year No. 1, **50c.**; 2 year No. 1, **\$1.00.**

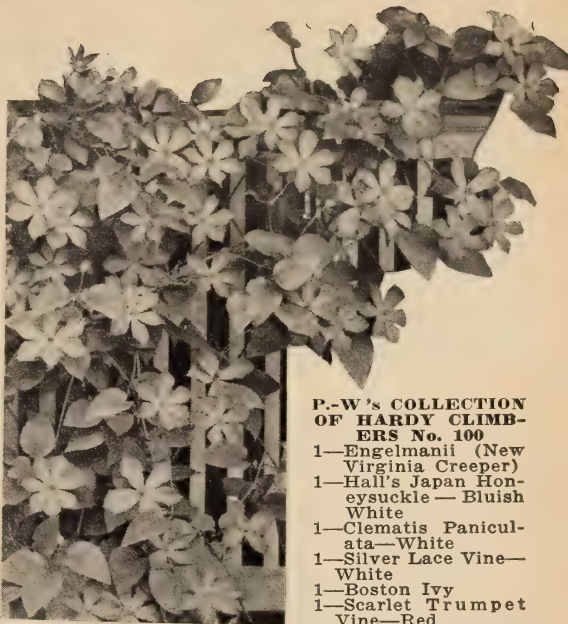
**Mad. Ed. Andre**—Large flowering type; crimson-red flowers. Each, **\$1.00.**

## Euonymus

**Radicans vegeta** (Evergreen Bittersweet)—A strong-growing variety with larger leaves than other types producing bright orange-red berries which remain on the plant the greater part of the winter. As a hardy evergreen plant for wall covering, this variety is unequalled. 1 yr., **50c.**; 2 yr., **\$1.00.**



Boston Ivy on Rear of House. Silver Moon Climbing Rose on Front. (See page 97.)



Clematis Jackmanii

## P.-W.'s COLLECTION OF HARDY CLIMBERS No. 100

- 1—Engelmanii (New Virginia Creeper)
  - 1—Hall's Japan Honeysuckle—Bluish White
  - 1—Clematis Paniculata—White
  - 1—Silver Lace Vine—White
  - 1—Boston Ivy
  - 1—Scarlet Trumpet Vine—Red
- (Regular price \$3.60). All for \$3.00, postpaid.

## Hedera (Helix)

**English Ivy**—The well-known variety with small leaves which has proved perfectly hardy. Largely used for covering walls, loose racks, fences, or trellises. Each, **50c.** Extra large plants, **75c.** each.

## Honeysuckle

**Halliana** (Hall's Japan Honeysuckle)—A strong, vigorous, almost evergreen sort; white flowers changing to yellow;

very fragrant; flowering from July to December; holds its leaves nearly all winter. Each, **50c.**



Silver Lace Vine

**Scarlet Trumpet**—It is a strong, rapid grower and produces scarlet, inodorous flowers. Each, **50c.**

## Lycium (Chinese)

**Matrimony Vine**—Excellent for trellises or banks. The small purple flowers in summer are followed by scarlet berries which cling long through the winter. Each, **50c.**

## Polygonum Auberti (Silver Lace Vine)

One of the most desirable flowering climbers. The plant is of strong, vigorous growth, attaining the height of 25 feet or more, and producing through the summer and fall great foamy sprays of white flowers. Strong plants. Each, **75c.** (See cut.)

## Wisteria

**Sinensis** (Purple)—A most beautiful climber of rapid growth. When well established it makes a growth of 15 to 20 feet in a season. Flowers violet-blue. Each, **85c.**

**Sinensis** (White)—A white-flowering form of the above. Each, **85c.**

**Multijuga Floreplena**—Long racemes of double purple flowers; very beautiful. Each, **\$1.00.**

See page 90 for quantity price schedule.



# SHRUBS — P.-W.'s Beautiful

## Acanthopanax

**Pentaphylla** (5 leaf Aralia)—Long, slender, gracefully arching branches and bright green, compound foliage, especially attractive. Greenish-white flowers in long umbels. (H 6-9, S 5-6). 2-3 ft., 75c; 3-4 ft., 85c.

## Almond, Double Flowering

The flowers are borne on its slender branches during May and are very fragrant. (H 3-4, S 4.) **Double Pink, Double White.** 2-3 ft., 75c.

## \*Althea (Rose of Sharon)

Blooming from August to October; extensively used as hedge plants. We offer in four distinct colors. **Red, Pink, White and Purple.** (H 10-12, S 6-8.) 18-24 in., 30c; 2-3 ft., 50c; 3-4 ft., 75c.

## Amelanchier

**Canadensis** (Service Berry)—Produces attractive white flowers early spring, followed by red fruit. Edible. Attractive to birds. 2-3 ft., 75c; 3-4 ft., \$1.00.

## Amorpha

**False Indigo** (A. Fruticosa)—Grows in large spreading bush form, with bright green leaves in pinnate arrangement; flowers deep violet blue in June. (H 8-10, S 8-10.) 2-3 ft., 50c; 3-4 ft., 75c; 4-5 ft., 90c.

## Aralia

**Spinosa** (Devil's Walking Stick)—Sometimes called "Hercules Club." Blooms July, August, large panicles, white flowers followed by black berries, develops a tree-like form, branches very spiny. (H 15-18, S 7-8.) 2-3 ft., 75c; 3-4 ft., 85c.

## \*Berberis (Barberry)

**Japanese Barberry** (B. Thunbergii)—Beautiful shrub for hedges, border, screens or general purposes. Very compact and needs no attention with the shears. (H 3-4, S 3-4.) 15-18 in., 25c; 18-24 in., 30c. Three year specimen shrubs, 65c each.

Following each description we indicate the height and spread at maturity. For example: ("H 3-4, S 3-4.") may be interpreted: "height, 3 to 4 feet, spread, 3 to 4 feet." It is understood that the sizes given are only approximate, and will vary considerably, according to soils and climate. Shrubs marked (\*) can be grown in partial shade, but they will also thrive in full exposure to the sun.

## New Red Leaved Barberry

(B. Thunbergii Atropurpurea)—In habit of growth and in fruiting it is identical with the popular Japanese Barberry, but its foliage develops a rich, bronzy-red color. (H 3-4, S 3-4.) 12-18 in., 35c; 18-24 in., 45c

**Purple Leaved Barberry**—Attractive, colorful, graceful, taller than the Japanese types. (H 6-8, S 5-6.) 18-24 in., 75c; 2-3 ft., \$1.00.

## Buddleia (Butterfly Bush)

**B. David Magnifica**—Blooms in July and continues until frost. Flowers are lavender-lilac, borne in dense spikes. (H 5-6, S 4-5.) 1-year plants, 35c; 2-year, 50c.

**B. Veitchiana**—Similar to above, except flowers are deep native purple. 1-year plants, 50c; 2-year, 65c.

## Caragana

**Siberian Pea Tree** (C. Siberica)—Compound leaves bright green; numerous small clusters of yellow flowers. (H 8-10, S 8.) May and June. 18-24 in., 25c; 2-3 ft., 35c; 3-4 ft., 50c; 4-6 ft., 75c.

## Calycanthus

(Sweet Shrub) (C. floridus)—An old-fashioned shrub known to everyone. Its flowers are deep reddish-brown, sweet-scented; deep green, glossy foliage, free from disease. (H 5-6, S 4-5.) 2-3 ft., 75c.

## Caryopteris (Blue Spirea)

**Incana**—Sometimes called **Bluebeard**. From early September until frost it is a mass of lavender-blue flowers. Not hardy in exposed situations. (H 2-3, S 2-3.) Plants 15-18 in., 35c; 18-24 in., 50c.

## Clethra (Summer Sweet)

**Alnifolia** (White Alder, or Sweet Pepper Bush)—Dwarf shrub bearing spikes of pure white, deliciously fragrant flowers July to September. (H 4-6, S 4.) 18-24 in., 50c; 2-3 ft., 75c.



Fringe or "Smoke Tree"



Buddleia Veitchiana

### About Price

The stock offered here is hardy, acclimated Utah grown—with strong, vigorous roots and should not be considered in price competition with inferior grades.

## Corylus (Hazel Nut)

**Americana** — Well known native American nut-bearing shrub that makes an attractive addition to natural planting. (H 8-9, S 8.) 2-3 ft., 75c.

## \*Chokeberry (Aronia)

**Arbutifolia**—Attractive pale green, foliage coloring to vivid red in the fall. White flowers in May are followed by masses of red berries. (H 7-9, S 6-8.) 18-24 in., 50c; 2-3 ft., 75c; 3-4 ft., 90c.

**Melanocarpa** (Black Chokeberry)—Same habit as above, except grows taller and has black berries. (H 8-10, S 8-10.) 2-3 ft., 75c; 3-4 ft., 90c.

## \*Cornus (Dogwood)

**Red Siberian** (C. Sibirica) — Produces cream colored flowers in June light blue fruits, and bright red twigs and branches. (H 6-8, S 6.) 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c.

**Golden Twig** (C. Stolonifera, Lutea) — Yellow stemmed. Clusters of white flowers, stems and branches are yellow. (H 7-8, S 7.) 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c.

**Variegated Dogwood** (Cornus Elegantissima)—Silver and green foliage, red bark, sometimes known as Silver Blotch Dogwood. (H 5-6, S 4-5.) 2-3 ft., 75c.

**Silky Dogwood** (Amomum) — Young twigs are purple, flowers white, followed by pale blue berries, prefers moist soils. (H 8-9, S 7-8.) 2-3 ft., 50c; 3-4 ft., 75c.

All prices on shrubs are f.o.b. Salt Lake. See page 90 for quantity price schedule. If wanted by mail add 3c each extra on 18-24 in. size; 5c each on 2-3 ft., size, and 8c each on 3-4 ft. size, for packing and postage.



# Acclimated, Ornamental SHRUBS

## Cotoneaster

**Acutifolia**—Showy, stately shrub. With lustrous green foliage, which flowers in June, followed by black berries. (H 6-7, S 5-6.) 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c.

**Divaricata**—Beautiful glossy green foliage; spreading habit of growth. Pink flowers in June are followed by red berries in September. (H 5-6, S 5-6.) 2-3 ft., 75c.

## Cydonia

**Japan Quince (Japonica)**—A single shrub on the lawn is very attractive; brilliant crimson flowers, among the first in the spring. (H 4-5, S 5.) 12-18 in., 30c; 18-24 in., 45c; 2-3 ft., 60c; 3-4 ft., 75c.

## Currant (Ribes)

**Aureum** (Missouri Golden Currant)—Grows to a height of from 4 to 7 feet. Pretty, spicy, sweet-scented, bright yellow flowers in May, and has a clean attractive foliage. (H 4-5, S 5.) 18-24 in., 50c; 2-3 ft., 75c; 3-4 ft., 85c.

## Deutzia

Popular shrubs; flower in June and through July and August.  
**Crenata** (Rosea Plena)—Double light pink; very desirable tall shrub. (H 6-8, S 6.) 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c.

**Gracilis**—A favorite dwarf bush, covered with spikes of pure white flowers. (H 2-3, S 3.) 18-24 in., 50c; 2-3 ft., 75c.

**Pride of Rochester**—Fine, tall growing double white flowering variety. (H 6-8, S 5.) 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c.

## Euonymus

**Americana** (Atropurpurea) (Strawberry Tree)—American Burning Bush. Very showy. In autumn, loaded with scarlet seed pods, orange-colored berries. (H 7-8, S 6-7.) 18-24 in., 45c; 2-3 ft., 60c.

**Alatus** (Winged Euonymus)—In Autumn the oval, bright green leaves of this shrub fade to gorgeous tones of red and crimson. Attractive scarlet berries. (H 6-8, S 6.) 18-24 in., 50c; 2-3 ft., 75c.

## Eleagnus Longipes

**Japanese Oleaster**—Nearly evergreen light foliage, which is silvered on the under surface, yellow fragrant flowers in May followed with orange-colored fruit (H 6-8, S 6.) 2-3 ft., \$1.00.

## Exochorda

**Pearl Bush**—Vigorous grower; dazzling white flowers in numerous terminal racemes. A narrow upright shrub which prefers a moist, fertile soil. (H 6-8, S 4.) May. 12-18 in., 30c; 2-3 ft., 75c.

## Forsythia (Golden Bell)

**Fortunei**—Strong, erect habit; bright golden-yellow flowers in early spring. (H 7-8, S 6.) 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c.

**Suspensa** (Weeping Golden Bell)—Tall willowy growth, branches gracefully arching, covered with golden-yellow bells. (H 4-6, S 7.) 12-18 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c.

## Fringe Tree

**Purple (Smoke Tree), Rhus Cotinus**—A conspicuous spreading shrub or small tree with large clusterly round leaves; overhung in midsummer by mist-like clouds of tiny flowers. These billowing panicles are a light lavender; give the impression of smoke at a distance. (H 8-10, S 8.) 18-24 in., 75c; 2-3 ft., \$1.00.

**White, Chionanthus Virginica**—A very showy shrub, growing to large size; with large, leathery, shiny leaves and lace-like white flowers borne in gracefully drooping panicles. (H 8-10, S 8.) 18-24 in., 75c; 2-3 ft., \$1.00. \***Hamamelis (Witch Hazel)**

**Virginia (Witch Hazel)**—Bears blooms in late Fall and early Winter at a time when all other shrubs are dormant. The heart-shaped leaves give it a decorative appearance but the chief attraction is the bright, yellow flowers which seem to be so out of season. (H 10-12, S 9.) 18-24 in., 50c; 2-3 ft., 75c; 3-4 ft., \$1.00.

## \*Hydrangea

**Aborescens Grandiflora** (Hills of Snow or Snowball Hydrangea)—Snow white blossoms of largest size; flowering from early June until late July. (H 3, S 3.) 18-24 in., 50c; 2-3 ft., 75c.

**Paniculata Grandiflora**—Blooms in July and August; pure white to pink, and finally to a beautiful rich coppery red. (H 5-6, S 5.) 18-24 in., 50c; 2-3 ft., 75c.

**Oak Leaved (Hydrangea Quercifolia)**—Light green leaves similar to an oak leaf. Pure white flowers in mid-summer borne in huge panicles. Autumn leaves colorful. Thrives in partial shade with plenty of moisture. (H 3-4, S 3.) 18-24 in., 75c; 2-3 ft., \$1.00.

## Kerria

**Japonica, Double**—A graceful shrub for the front of a shrubbery border, or in a mixed planting around porches. Attractive golden-yellow double flowers are borne from June to October. (H 4-5, S 3.) 18-24 in., 50c; 2-3 ft., 75c.

**Japonica, Single**—Identical with above except flowers are single. 18-24 in., 50c; 2-3 ft., 75c.

All prices on shrubs are f.o.b. Salt Lake. See page 90 for quantity price schedule. If wanted by mail add extra 3c each on 18-24 in. size; 5c each on 2-3 ft. size, and 8c each on 3-4 ft. size, for packing and postage.



Kerria Japonica

## \*Hypericum

**Prolificum**—Shrubby St. John's-Wort. Bright yellow flowers are borne in branching terminal clusters. Narrow, lustrous dark green leaves cover the numerous compact branches. (H 2-3, S 2-3.) July. 18-24 in., 50c; 2-3 ft., 75c.

## Honeysuckle Bush (Lonicera)

**Tartarian (Lonicera Tartarica)**—Most popular of the bush varieties. Foliage dark glossy green, blooms in June. (H 8-10, S 6-8.) Red, Pink, White. 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c; 4-5 ft., 75c.

**Frangitissima, Winter Honeysuckle**—Small, deliciously fragrant, white flowers tinged with yellow in the early spring before the leaves appear. Holds its green foliage until midwinter. (H 6, S 4-5.) 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c.

**Morrowi**—A handsome Japanese variety with white flowers during May, but especially valuable for its bright and red fruit during the summer and autumn months. (H 6-8, S 5-6.) 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c.

**Spinosa Alberti**—Dwarf growing type with bluish green leaves and fragrant rose-pink flower in May and June. (H 2, S 2-3.) 12-15 in., 75c; 15-18 in., \$1.00.

**Standishi**—Half evergreen shrub with spreading branches, fragrant bluish-white flowers in April, followed by scarlet berries. (H 6, S 7.) 18-24 in., \$1.00; 2-3 ft., \$1.25.

**Thibetici**—A valuable new variety, low growing, dense, thickly branched, leaves glossy green, pale purple flowers in May, followed by red berries. (H 5, S 5.) 18-24 in., \$1.25; 2-3 ft., \$1.75.



Kolkwitzia Amabilis (see page 94)





French Lilac

## Kolkwitzia Amabilis (Beauty Bush)

Growing 6-8 feet high at maturity with long arching branches, this variety combines all the merits of a perfect shrub; hardiness, year around beauty of foliage and habit, and an amazing profusion of pale pink bell-shaped flowers in June. 18-24 in., 50c; 2-3 ft., 75c.

## Lilac (Syringa)

**Josikaea** (Hungarian Lilac)—A distinct species of stout erect growth with dark shining leaves and purple flowers which are produced late in June. 2-3 ft., 75c.

**New Chinese** (rothomagensis chinensis) (Rouen Lilac).—A distinct hybrid variety, with reddish flowers; panicles of great size and very abundant. Very desirable. 2-3 ft., 75c.

**Persian Lilac**—Habit more open and branches more slender and drooping than Common Lilac. Flowers light purple. Grows 6 to 10 feet. 18-24 in., 45c; 2-3 ft., 60c; 3-4 ft., 75c.

**S. Villosa** (Japan Lilac).—Large branching panicles of flowers, a pink lilac tint. Late flowering. Bushes are more tree-like than other types. 18-24 in., 45c; 2-3 ft., 60c.

**Vulgaris Alba** (White Lilac)—18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c.

**Vulgaris** (Common).—(8 to 15 ft.) Large clusters of fragrant purple flowers in the Spring. 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c.

## French Lilacs

These Lilacs may be developed in either the shrub or tree form. Height, 10 to 15 ft., according to variety. **Chas. X**—Single reddish purple.

**Hugo Koster**—Single reddish purple.

**Mad. C. Perier**—Double white.

**Marie LeGrave**—Single white.

**Michael Buchner**—Double pale lilac.

**Ludwig Spaeth**—Single purple.

**Price**—Any of the above six varieties, 2-3 ft., \$1.25; 18-24 in., \$1.00.

## \*Ligustrum (Privet)

**Vulgaris** (English).—Leaves small dark green. White flowers in June, followed by black, shiny berries. (H. 10-12.) 18-23 in., 25c; 2-3 ft., 40c. (See page 95 for Hedge Shrubs.)

**Ibota Regelianum** (Regals Privet).—Makes a splendid low, dense hedge, also good in shrubby planting. Glossy deep green foliage; height 5 to 6 feet at maturity. 18-24 in., 25c; 2-3 ft., 40c.

**Lodense**—Very dwarf and compact, not exceeding two and one-half feet. Glossy deep green foliage, very attractive.

Splendid low hedge or for low specimen plants. 12-15 in., 25c; 18-24 in., 40c.

## Loespedeza

**Formosa** (Purple Bush Clover).—An attractive Autumn herbaceous shrub. Rosy purple flowers in September. (H 3-4, S 3.) 18-24 in., 45c; 2-3 ft., 60c.

## Photina

**Villosa**—This is an upright shrub with slender spreading branches, flowers white, produced in large panicles in June to July. Flowers are followed by bright scarlet fruit in October. Foliage dark glossy green and very attractive. (H 8-10, S 8.) 18-24 in., 50c; 2-3 ft., 75c.

# P.-W.'s Hardy SHRUBS

## Philadelphus (Mock Orange)

**Coronarius** (Garland Mock Orange).—This is a popular tall variety refined and beautiful; large white flowers. (H 6-8, S 4-6.) 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c.

**Lemoine**—Good, compact habit. Flowers sweetly scented. (H 7-8, S 7-8.) 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 65c.

**Grandiflorus** (Large-flowered Syringa).—Vigorous, upright grower. Slender branches with an abundance of pure white, fragrant flowers in June. (H 8-10, S 8.) 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c.

**Virginalis** (Mock Orange).—One of the most beautiful new varieties. A vigorous, tall grower, with very large, double-crested flowers, with round petals. Pure white, sweetly scented clusters of blossoms. 12-18 in., 35c; 18-24 in., 45c; 2-3 ft., 65c.

## Physocarpus (Ninebark)

**Opulifolius** (Ninebark).—Quick growing, tall shrub, useful for screens; white flowers followed by bright, red fruit in July. (H 8-10, S 6.) 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c.

**Opulifolius Aureus** (Golden Ninebark).—Tall, with spreading branches and leaves, are yellow when first appears in Spring. Whitish flowers appear early Summer, followed by bright red pods. (H 8-10, S 6.) 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c.

**Opulifolius Nana** (Dwarf Ninebark).—Dwarf form dense growing, attractive white flowers in May-June, followed by red pods. (H. 4-5, S 4.) 12-18 in., 30c; 18-24 in., 45c.

## Potentilla

**Fruticosa**.—This is a most handsome and distinct low growing shrub. Prefers moist situations but will grow even in very dry soils. The shrub is covered throughout the summer with numerous bright yellow showy flowers. As a dwarf border shrub it is a most valuable addition. (H 2-3 ft., S 3.) 15-18 in., 45c; 18-24 in., 60c.

## Rhamnus

**Cathartica** (Buckthorn). A dense twiggy bush, 6 to 10 feet high, with dark foliage relieved by masses of midsummer white flowers. Makes a good, prunable hedge. 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c.

**Frangula** (Glossy Buckthorn).—A large shrub with numerous leafy branches. Leaves dark green, paler beneath, fading with tones of yellow, orange and red. Berries change from red to black. 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c.

## Rhodotypos

**Kerrioides** (White Kerria).—Bright green leaves, and pure white flowers in late Spring; later black berries that hang on all winter. (H 4-5, S 3-4.) 18-24 in., 50c; 2-3 ft., 75c.

## Rhus (Sumac)

**Canadensis** (Fragrant Sumac).—Sweet scented, dwarf growing, yellow flowers in short spikes along the branches, bright red fruits which appear later are clothed with short, silky hairs. Beautiful Autumn foliage. Good for rock gardens. (H 3-4, S 4.) 18-24 in., 45c; 2-3 ft., 60c.

**Copallina** (Shining Sumac).—Pretty, glossy foliage, very brilliant in the Fall, and winged-leaved stems give it distinct appearance. (H 4-6, S 5.) 2-3 ft., 45c; 3-4 ft., 60c.

**Typhina** (Staghorn Sumac).—One of the most brilliant plants in Autumn, when the green foliage turns to red, and the showy red fruit is borne high above surrounding shrubs. (H 10-12.) 2-3 ft., 30c; 3-4 ft., 45c; 4-5 ft., 60c.

**Typhina Laciniata** (Shredded Sumac).—The branches are densely covered with velvety hairy-like growth resembling the developing Elks Horn. Flowers in white panicles. Deeply serrated leaves whose deep crimson color and persistent crimson fruit makes it attractive for background. July. (H 10-12, S 6-8.) 2-3 ft., 30c; 3-4 ft., 45c; 4-5 ft., 60c.

## Sambucus (Elder)

**Acutiloba** (Cut Leaf Elder).—Attractive finely cut green leaves and large cymes of white fragrant flowers in June to July, followed by clusters of berries. (H 8-10, S 8.) 2-3 ft., 30c; 3-4 ft., 45c; 4-5 ft., 60c.

**Canadensis Aurea** (Golden Elder).—Bright yellow foliage, commonly used in massed planting to avoid monotony in the green effects. (H 6-8, S 5.) 2-3 ft., 30c; 3-4 ft., 45c; 4-5 ft., 60c.



Rhus Typhina



# For Every PURPOSE

## Robinia

**Hispida** (Rose acacia)—This beautiful shrub is much appreciated because of the abundance of its large, pink, pea-like flowers. (H 4-5, S 5.) 18-24 in., 50c; 2-3 ft., 75c.

## Sorbaria (False Spirea)

**Sorbifolia** (Ural False-spirea)—Fluffy heads of white flowers, June-August. (H 4-5, S 4-5.) 18-24 in., 30c; 2-3 ft., 45c.

## Spireas

**Anthony Waterer**—Dwarf, bushy, of spreading type, with large corymbs brilliantly colored rosy crimson. Very free flowering, at its best in late Summer. (H 2-3, S 3.)

**Arguta**—Deep green foliage; of minute, purest white flowers. Early May. (H 3, S 3.)

**Billiards Spirea** (S. Billardi)—Upright grower, with pink flowers in spikes or plumes 5-6 inches long in midsummer. (H 6, S 6.)

**Callosa alba** (White Japanese Spirea)—Similar to Anthony Waterer in habit and growth, but flowers are white. (H 3-4, S 3.)

**Froebeli** (Froebel Spirea)—Leaves are purple when young. Deep rosy blooms are borne in abundance in the middle of Summer, and over a long period. (H 3-4, S 4.)

**Douglasi** (Douglas Spirea)—Deep pink spikes of flowers in July and August, a delightful contrast against the white downy leaves. (H 5-6, S 5.)

**Korean** (Trichocarpa)—New Spirea discovered in Korea. Produces large, rounded clusters of snowy flowers marked with darker eyes in early June, beautiful glossy green foliage late into the Autumn. (H 4, S 4.) 18-24 in., 50c; 2-3 ft., 75c.

**Prunifolia** (Double Bridal Wreath)—One of the best; a beautiful shrub medium size, double white flowers in May. (H 6, S 6.)

**Thunbergii**—Graceful and beautiful at all seasons. White flowers in May. (H 4, S 3.)

**\*Van Houtte** (Bridal Wreath)—This is the most satisfactory shrub in cultivation. The bush is round and graceful with long, thin, arching branches. The white flowers are in clusters, and are so numerous that when in full bloom the bush resembles a snowdrift. (H 6-8, S 6.) May and June. 15-18 in., 20c; 18-24 in., 30c; 2-3 ft., 40c; 3-4 ft., 50c; 4-5 ft., 65c. Speciman clump, \$1.25.

Any of above Spireas, except where specially noted, price, 15-18 in., 25c; 18-24 in., 35c; 2-3 ft., 50c.

## \*Symphoricarpus

**Chenaulti** Glossy green foliage, very dense and compact. White flowers in spring followed by red berries in fall and winter. (H 4-5, S 4.) 18-24 in., 50c; 2-3 ft., 75c.

**Racemosus** (Snowberry) (B)—A graceful shrub, with slender branches. Flowers white. (H 4-5, S 4.) 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c.

**Vulgaris** (Coral-Berry) (B)—A grand shrub, producing a wealth of red or purplish berries which remain on the branches all winter. Leaves ovate, bright green. (H 4, S 3-4.) 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c.

**Variegated Coralberry**—Beautiful golden foliage adds color. (H 4, S 3-4.) 18-24 in., 35c; 2-3 ft., 50c.

## Viburnum

**Carlesi**—Delicate rose-tinted white, sweet-scented flowers produced in terminal sub-globose cymes 2 to 3 inches in diameter. Good, bushy specimens. (H 4, S 3.) B. & B. 12-18 in., \$1.25; 18-24 in., \$1.75.

**\*Dentatum** (Arrow-wood)—Green leaves turn to purple and red tones in Autumn. Creamy white flowers, followed by blue-black berries. (H 6-8, S 6.)

**Nannyberry** (V. Lentago)—Wrinkled Lantana-like leaves; white flowers in May, followed by fruit. Bluish crimson to black. (H 12-15, S 10-12.)

**\*Opulus** (European Cranberry)—White flowers in June, followed by bright scarlet berries, attractive. (H 10-12, S 10.)

**Opulus Sterilis** (Common Snowball)—Ball-like, pure white flowers. (H 8-10, S 10.)

**Plicatum** (Japan Snowball)—Dark green foliage and balls of pure white flowers in May. (H 6-8, S 8.)

Any of above, except where noted, 18-24 in., 50c; 2-3 ft., 75c; 3-4 ft., \$1.00.

## Vitex

**Macrophylla**—Forms a most graceful, shapely, attractive plant, with nicely divided foliage with aromatic odor. The pretty lavender-blue flowers, arranged in whorls on long, graceful terminal spikes or racemes, begin blooming in July, continuing without interruption until frost. A most attractive shrub for any position. (H 3-4, S 3-4.) 18-24 in., 50c; 2-3 ft., 75c.

All prices quoted on shrubs are f.o.b. Salt Lake City. See page 90 for quantity price schedule. If by mail add 3c each on 18-24 in. size; 5c each on 2-3 ft., and 8c each on 3-4 ft., for packing and postage.



Spirea Van Houtte

## Hedges and Screens

On varieties not detailed we can furnish special sizes, and shall be glad to quote quantity prices. The deciduous shrubs most popular for hedges we list below.

**Berberis Thunbergii** (Japan Barberry)—Special size, 1 to 1½ ft., 10 for \$2.25; 25 for \$5.25; 100 for \$20.00.

**Hardy Privet** (Ligustrum)—18-24 in., 10 for \$1.25; 50 for \$4.00; 100 for \$7.50 per 100; 2-3 ft., 10 for \$2.00; 50 for \$5.00; 100 for \$9.00 per 100.

**Rosa Rugosa**—Rubra, Hansa, and other varieties listed on page 96. In special sizes for hedges 35c ea.; ten for \$3.25; 100, \$30.00.



Graceful Hedge of Barberry

## Tamarax

**Amurense**—Feathery silver foliage and small, delicate pink flowers, borne profusely in May. (H 8-10, S 6.) 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c.

**Gallica** (French Tamarix)—Light pink flowers in May. Bluish green foliage. (H 8-9, S 6.) 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c; 4-5 ft., 75c.

**Hispida** (Kashgar Tamarix)—A distinct variety, with delicate, soft pink sprays of flowers in early Spring and again in July and August. (H 15, S 6.) 18-24 in., 30c; 2-3 ft., 45c; 3-4 ft., 60c.

## Weigelas

**Eva Rathke**—Blossoms continuously throughout the summer and autumn; flowers are a rich ruby-carmine. (H 4-5, S 5.)

**Candidi**—White flowers, flowering throughout the summer. (H 6-8, S 8.)

**Rosea**—A beautiful shrub with rose colored flowers. (H 5-6, S 5.)

Any of above: 18-24 in., 45c; 2-3 ft., 60c.



Weigela Rosea



# P.-W.'s GLORIOUS ROSES



"Shrub Rose"—Rosa Hugonis

## Rugosa and Hybrid-Rugosa Roses

Shrub-like roses. Valuable for their crinkled foliage and highly colored "hips;" show to good advantage in groups and hedges. (See also page 95 under Hedges.)

**Belle Poitevine**—Large loosely formed flowers of bright magenta pink; borne in large clusters continuously. Each, 50c.

**Hansa**—Double, reddish violet flowers of large size. Each, 50c.

**Sir Thomas Lipton**—Snowy white flowers of good size and unusual quality borne in profusion in spring. Each, 50c.

**Pink F. J. Grootendorst**—Pretty clear pink, ever-blooming Baby Rugosa. Each, 50c.

**Red F. J. Grootendorst**—The red ever-blooming Baby Rugosa. Each, 50c.

**Rubra**—Large single flowers, various shades of magenta, and rosy crimson. Blooms profusely. Each, 50c.

## "Sweet Briar" & Other "Shrub Roses"

**Austrian Copper**—Bright coppery red, the reverse of the petals golden yellow. An old, very hardy favorite. Each, 75c.

**Rosa Hugonis**—A splendid Rose for the Shrubbery border with delicate yellow single flowers produced on long arching sprays early in May; after it has finished flowering it remains an attractive decorative bush for the balance of the season; perfectly hardy (see cut). Each, 50c.

**Rubiginosa (Sweetbriar)**—Single pink flower, borne singly, orange red fruit. Each, 50c.

**Rubrifolia**—Intensely pink, starry flowers, red foliage. Each, 50c.

## P.-W.'s "Forget the Depression" Rose Collection No. 120

No matter how "down in the dumps" you feel or have felt, here is a group of ten everblooming Roses that will bring "sunshine" to your soul, and at a price within the reach of everyone. It's true these shrubs are not so large as our top size grades priced throughout the rest of our list; no—they are not "culls" but healthy, vigorous, hardy field grown Roses of **marvelous value**, at the **low price** offered. It consists of our selection as follows:

- 2—Coral and Salmon Everblooming Roses
- 3—Crimson and Red Everblooming Roses
- 2—Orange and Yellow Everblooming Roses
- 2—Pink and Rose Everblooming Roses
- 1—White Everblooming Rose

All the above 10 Roses prepaid to your post-office for \$2.50.

## How to Succeed with Roses

**Unpacking**—Should plants, when received, have a withered appearance, caused by an unusual delay in transit (which seldom occurs), soak them in water for an hour or so as to restore their vitality.

**How to Plant**—The rose delights in an open, airy situation; all types are partial to clay loam, but will succeed in any ordinary soil if enriched with well rotted barnyard manure. Dig up the soil thoroughly to a depth of twelve to fifteen inches. Dig a hole sufficiently large to accommodate the root, and pour a half pail of water into the hole; in filling, shake the plant lightly so that the soil may fall evenly all around the roots; this avoids cavities. Firm the soil well around the plant in order that it may be solid. Be sure that the buds or grafts, that is where the lower branches begin, are at least 2 inches below the surface of the soil. **Don't fail to prune off the branches as soon as planted, at least as much as shown in "Fig. 2" below.** Bush Roses can be set 1½ feet apart, climbing varieties from 4 to 6 feet apart, and standard Roses 3 or more feet apart.

To prevent the top branches from shriveling up before the root system has been developed, the earth should be hilled up as shown in "Fig. 2" below. The branches still exposed, should be cut down to the mound surface. Be sure to keep the ground moist after planting. In about three weeks' time the mound of earth may be gradually leveled down to the normal surface as shown in "Fig. 1." Cultivate freely throughout the summer and apply a light top dressing of bonemeal or "Vigoro," Fertilizer (see page 75) at least once a month throughout the growing season.

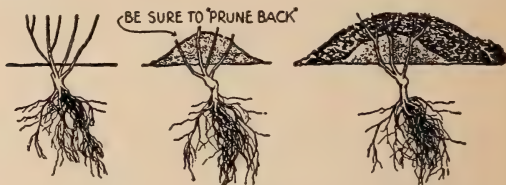


Fig. 1—Proper Depth to Plant Fig. 2—Properly hilled up "after planting" Fig. 3—Winter protection in cold regions.

**Pruning**—This operation is best performed during the dormant season. Most roses do better if moderately pruned. We usually remove from one-third to two-thirds of the past year's growth, and all weak and decayed wood should be entirely cut out. As a rule the more vigorous the variety the more it should be pruned. Besides spring pruning, many of the Hybrid Perpetuals require to be pruned as soon as their first blossom is over, in order to grow new wood for later blooming. It is always the new growth which gives flowers. Most people are apt to prune too sparingly, which retards rather than enhances the free-blooming of their plants.

**Spraying in Roses**—See pages 73-74 on Insecticides.

**Time for Planting**—In this intermountain region, the best time for planting is in the spring, immediately after the frost is out of the ground, and as soon as the ground can be worked nicely.

**Winter Protection**—We have found that the most satisfactory protection is to draw up a mound of soil from eight to ten inches high around the base of the plants, then cover the entire beds after the ground begins to freeze with any loose material, such as strawy manure, leaves, etc. (See above cut, Fig. 3).

## P.-W.'s Polyantha or Baby Roses

A class of dwarf habit all through summer and fall, for bedding or as edging for borders they are very beautiful. They are useful for pot culture or bedding purposes or for hedge effects.

**Baby Dorothy**—A pure pink with all quality of the Crimson Baby Rambler. Each, 50c.

**Eugenie Lamesch**—Color, orange to clear yellow and rose, flowers in large cluster. Each, 50c.

**Gloria Mundi**—Brilliant orange scarlet flowers in huge clusters. Each, 75c.

**Madame Cecil Brunner**—Color salmon-rose, the most beautiful and lovely of the miniature roses; very fragrant. Each, 50c.

**Lafayette**—Bright red; large, semi-double flowers; as "Paul Scarlet," good keeper. Very fine flowering. Each, 60c.





Just a glimpse of the marvelous possibilities of P.-W.'s Climbing Roses

## P.-W.'s Hardy Climbing Roses

**American Pillar** — A single-flowering variety of great beauty, which appeals to everyone. Flowers are enormous in size, three to four inches across, of a lovely shade of pink, with a clear white eye and cluster of yellow stamens. Each, 50c.

**Climbing American Beauty** — Same color, size and fragrance as American Beauty, with the addition of the climbing habit. Each, 50c.

**Paul's Scarlet Climber** — No other Rose, in any class, can compare with this for brilliancy of color which is maintained until the petals fall. It is of strong climbing habit and perfectly hardy. This is one of the most popular red climbing Roses. Each, 50c.

**Sliver Moon** — Beautiful semi-double flowers four inches and over in diameter, pure white in color, petals of great substance, beautifully cupped, yellow stamens in the center add to its attractiveness. Each, 50c.

**Dr. W. Van Fleet** — The long pointed buds are of a rich flesh-pink on stems 12 to 18 inches long; splendid for cutting. Vigorous grower. Each, 50c.

**Emily Gray** — In this we have a real yellow climbing Rose as hardy as Dr. Van Fleet. The buds are long and pointed, color a beautiful light orange-yellow; dark green, glossy, holly-like foliage. Each, 60c.

**Mary Wallace** — This is a pillar Rose making a fine, strong, self-supporting plant 6 to 8 feet high, with large, glossy foliage, blooming with great freedom in spring and bearing considerable number of fine buds in summer and fall. Flowers very

large, semi-double, clear rose-pink with salmon base. Each, 50c.

## The New Dawn

**The Everblooming Dr. W. Van Fleet**  
(Plant Patent No. 1)

This is a sport from Dr. Van Fleet, and is identical in every way with its parent in size and formation of its flowers, color, etc., but blooms continuously throughout the summer and fall months. Such a variety that every Rose lover will be anxious to possess, hardy everywhere. Each, \$1.50.

**New Golden Climber**—see back cover page.



Climbing Rose "New Dawn"

## P.W.'s Everblooming Climbing Roses

While these varieties do not bloom as constantly as their Hybrid Tea parents, yet their bloom period recurs during the season so they are classed as everblooming. Where possible give them a protected situation.

**Cl. Gruss an Teplitz** — A perfect sheet of crimson when in bloom. It's the same as the bush Teplitz. Each, 60c.

**Climbing Hadley** — Deep velvety-crimson, double, and buds are well-formed. Each, 50c.

**Climbing Kaiserine Augusta Victoria** — This is easily the grandest climbing white rose extant. Each, 75c.

**Climbing Los Angeles** — Flowers identical with bush form of Los Angeles flame pink-toned coral, gold base. Each, 60c.

**Cl. Mrs. Aaron Ward** — A climbing sport of this well known yellow variety. Vigorous, free blooming flowers. Golden-yellow. Each, 60c.

**Cl. Dame Edith Helen** — Flowers are identical to the bush form; bright pink, perfectly shaped, highly fragrant. Each, 75c.

**Cl. Etoile de Hollande** — Flowers are identical to the bush form; the peer of all red roses, magnificent, both in bud and bloom. Each, 75c.

**Cl. Golden Emblem** — Flowers identical to the bush form; immense deep golden yellow, glossy foliage, exceptionally fine. Each, 75c.

**Cl. Mme. Edouard Herriot** — Flowers are identical to the bush form; coral-red shaded yellow. Each, 75c.

**Cl. President Hoover** — Flowers same as the bush form; a most striking maroon orange, gold and cerise pink. Each, 75c.

**Cl. Talisman** — Flowers are same as bush form; the sensational rich golden reddish apricot, stained copper. Each, 75c.

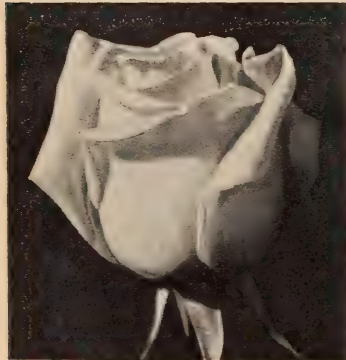
All Roses Are Delivered at Prices Quoted. See Page 90 for Quantity Schedule



# Everblooming GARDEN



Mrs. Erskine Pembroke Thome



Rapture



Mrs. Henry Morse



Red Premier

This list is the pick of both old and new—The leading Everblooming Garden Roses to date. Hybrid Tea are marked (H.T.), Hybrid Perpetual (H.P.), and Tea Roses (T.) Polyantha (Pol.) Hybrid Rugosa (H.R.).

We offer strong, healthy 2 and 3-year-old dormant roots, which are thoroughly adapted to the rigors of climate in the Mountain States. Our strong vigorous rose shrubs are in no sense comparable in value to those offered by some other sources at so called "Bargain Prices." For convenience in selecting colors we have arranged the varieties in color groups.

## Coral, Copper and Salmon Shades

**ANGELE PERNET** (H.T.)—Long buds flaming orange to reddish apricot. Each, 60c.

**AUTUMN** (H.T.)—See page 100 for description. Each, 75c.

**DOROTHY PAGE ROBERTS** (H.T.)—Coppery pink, suffused apricot yellow. (Gold Medal Rose.) Each, 60c.

**EDITH NELLIE PERKINS**—Outside petals light cerise, inside salmon. Each, 50c.

**LOS ANGELES** (H.T.)—Flame-pink, toned coral and gold base. Each 50c.

**LOUISE CATHERINE BRESLAU** (H.T.)—Buds coral-red shaded with chrome-yellow; flowers are a shrimp-pink shaded coppery-orange. Each, 50c.

**OPHELIA** (H.T.)—Very popular, Salmon-flesh shaded rose. Each, 50c.

**MAD. CECIL BRUNNER** (Pol.)—Salmon-pink. (See page 96.) Each, 50c.

**MME. ALBERT BARBIER** (H.P.)—A new everblooming in its habit of flowering is as free as the Hybrid-Teas. It is a clean, vigorous grower, buds are long and well formed of a pearly white color suffused salmony flesh, large, full double imbricated flowers, which as they expand, show a golden apricot suffused center. A gem in every respect. Each, 50c.

**MME. EDOUARD HERRIOT** (H.T.)—Coral-red shaded yellow. A most unique and desirable rose. Each, 50c.

**MRS. SAM MCGREDY** (H.T.)—See page 100 for description. Each, 75c.

**PRESIDENT HOOVER** (H.T.)—A most striking maroon orange, gold and cerise pink. Each, 50c.

**RAPTURE**—Improved Mad. Butterfly, deep salmon-pink, flushed golden at base of petals. Each, 60c.

**TALISMAN** (H.T.)—The sensational rich golden reddish apricot, stained copper. Each, 50c.

## Crimson, Red and Scarlet

**AMERICAN BEAUTY** (H.P.)—Grand old carmine-red. Each, 50c.

**AMERICAN LEGION** (H.T.)—Bright cerise red, luminous. Each, 50c.

**CUBA** (H.T.)—Bright vermillion scarlet over orange ground. Each, 60c.

**E. G. HILL** (H.T.)—Dazzling scarlet, changing to pure, deep red. Each, 50c.

**ETOILE DE HOLLANDE** (H.T.)—The peer of all red roses, magnificent, both in bud and bloom. Each, 50c.

**ESSENCE** (H.T.)—See page 100 for description. Each, 75c.

**GRENOBLE** (H.T.)—A noble, scarlet-crimson, long stems. Each, 75c.

**GRUSS AN TEPLITZ** (H.T.)—Flery-crimson. Wonderful hedge rose. Top size, 50c each; No. 2 size, suitable for hedge work, 30c each; 10 for \$2.75; 100 for \$25.00.

**HADLEY** (H.T.)—Velvety crimson. Excellent. Each, 50c.

**HOOSIER BEAUTY** (H.T.)—Dazzling, deep crimson-scarlet. Each, 50c.

**LAFAYETTE** (Pol.)—Crimson. Each, 50c. (See page 96.)

**LORD CHARLEMONT** (H.T.)—A gorgeous dark red, long buds. Each, 50c.

**MRS. F. R. PIERSON** (H.T.)—Scarlet-crimson. Each, 50c.

**NEW RED HOOVER**—See page 100. Each, 75c.

Prices on All Roses Include Delivery Charges; See Page 90 for Quantity Schedule.



Etoile de Hollande

## P.-W.'s ROSE COLLECTION OFFER

No. 121 — Consists of top size shrubs, one each of the following:

Mrs. Sam McGredy — Orange-salmon.

President Hoover — Maroon-cerise.

Rapture — Salmon-pink.

E. G. Hill — Scarlet-crimson.

Cuba — Vermillion-scarlet.

Rev. Page Roberts — Copper-yellow.

Golden Pernet — Golden-yellow.

Radiance — Carmine-pink.

Dame Edith Helen — Bright pink.

Angelus — White flushed.

Ten Roses in all (regular value, \$5.55). All prepaid for \$4.50.

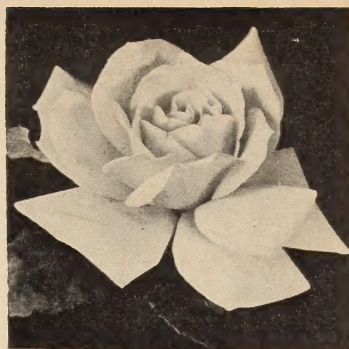


# ROSES — Old and New

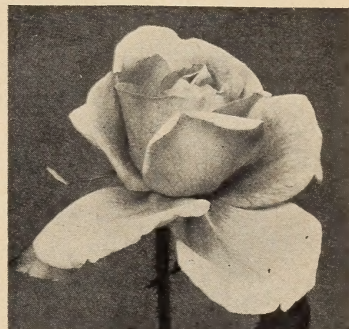
**RED PREMIER** (H.T.)—Bright carmine. Very fragrant. Each 50c.  
**RED RADIANCE** (H.T.)—Clear, large, cerise-red. Each, 50c.  
**RED F. J. GROOTENDORST** (H.R.)—See page 96. Each, 50c.  
**SOUVENIR DE GEORGES PERNET** (H.T.)—Brick-red, Salmon-pink. Each, 50c.

## Orange and Yellow Shades

**CONDESSA DE SASTAGO** (H.T.)—See page 100. Each, \$1.00.  
**FEU JOSEPH LOOYMANS** (H.T.)—Long, pointed buds of glowing Apricot and Old Gold. Each, 50c.  
**EUGENIA LAMESCH** (Pol.)—See page 96. Each, 50c.  
**P.-W.'s NEW GOLDEN EMBLEM**—Immense deep golden yellow, glossy foliage, exceptionally fine. Each, 75c.  
**GOLDEN PERNET** (H.T.)—Very double large primrose yellow. Each, 50c.  
**LADY MARGARET STEWART** (H.T.)—Coppery-orange veined orange scarlet. Each, 50c.  
**MAX KRAUSE** (H.T.)—See page 100 for description. Each, 75c.  
**MRS. AARON WARD** (H.T.)—Coppery-orange to golden. An old-time favorite. Each, 50c.  
**OPHELIA GOLDEN** (H.T.)—Rich golden-yellow. Each, 50c.  
**REV. F. PAGE ROBERTS**—Copper-red to golden-yellow; stained attractively. Each, 60c.  
**SOUVENIR DE CLAUDIUS PERNET** (H.T.)—Sunflower-yellow. Very popular. Each, 50c.  
**VILLE DE PARIS** (H.T.)—Clear sunflower yellow. Each, 75c.



Angelus



Edith Nellie Perkins



Miss Rowena Thom

## Pink Shades

**BABY DOROTHY** (Pol.)—See page 96 for description. Each 50c.  
**BRIARCLIFF** (H.T.)—Improvement on Columbia. Handsome long-pointed buds opening fully double. Color: Soft pink. Each, 50c.  
**DAME EDITH HELEN** (H.T.)—Bright pink, perfectly shaped, highly fragrant. Each, 50c.  
**EDITOR McFARLAND** (H.T.)—See page 100 for description. Each, 75c.  
**J. OTTO THILOW** (H.T.)—See page 100. Each, 75c.  
**KILLARNEY** (H.T.)—Brilliant, sparkling pink. Each, 50c.  
**MADAME CAROLINE TESTOUT** (H.T.)—The "Portland Rose." Bright pink. Each, 50c.  
**MRS. A. R. BARRACLOUGH** (H.T.)—Full double, clear pink, slight glint of salmon. Each 50c.  
**MRS. HENRY MORSE** (H.T.)—Bright pink with vermillion veinings. Each, 50c.  
**MRS. CHAS. RUSSELL** (H.T.)—Bright rose-pink; large double flower. Each, 50c.  
**MRS. JOHN LAING** (H.P.)—Old-time, delicate, shiny pink. Each, 50c.  
**RADIANCE** (H.T.)—Brilliant, popular, carmine-pink. Each, 50c.

## White and Blush White

**AMERICAN BEAUTY WHITE** (H.P.)—Snow-white. Each, 60c.  
**ANGELUS** (H.T.)—Very double white cream tint in center. Each, 50c.  
**CALEDONIA** (H.T.)—See page 100. Each, 75c.  
**KAISERINE-AUGUSTA VICTORIA** (H.T.)—White, tinted flesh; prolific. Each, 50c.  
**FLORENCE PEMBERTON**—Creamy white suffused with pink; large bud, perfect in form, high-pointed center. Each, 50c.

See Page 90 for Quantity Price Schedule

### P.-W.'s ROSE COLLECTION OFFER

No. 122 — Consists of top size shrubs, one each of the following superb everblooming roses:

**Talisman**—Blended Apricot-copper.

**Louise Catherine Breslau**—Shrimp pink.

**Mme. Ed. Herriott**—Reddish-coral.

**Grenoble**—Fiery crimson.

**Etoile de Hollande**—Deep red.

**Red Premier**—Bright carmine.

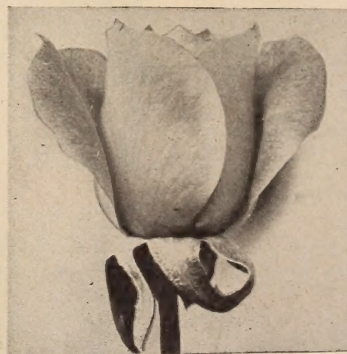
**P.-W.'s Golden Emblem**—Golden yellow.

**Max Krause**—Old gold.

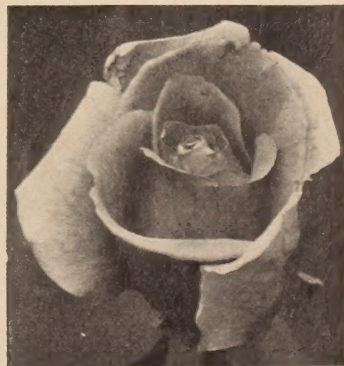
**Editor McFarland**—Brilliant pink.

**Briarcliff**—Soft pink.

Ten Roses in all (regular value, \$6.00). All prepaid for \$4.75.



Talisman



President Hoover



# ROSES—P-W's Novelty Collection of Ten New Everblooming

On this page we list our selection of the "best ten" new everblooming Garden Roses, taken from the many tested from the world's leading growers. All prices are delivered your Post Office. All shrubs are two years old, No. 1.



A Group of P-W's Novelty Roses

**Autumn** (H.T.)—Multicolored. The richest colored flower among the "fancy" Roses. The short buds are deep burnt-orange, opening to medium-sized, very double, fragrant flowers of the same burnt-orange, stained with red and orange at the edges and base of the inner petals. Resembles Talisman, but is much more richly colored. Each, 75c.

**Caledonia** (H.T.)—This is probably the finest white rose grown. The beautifully shaped, long, snowy-white buds are exquisite to behold, and the blossoms possess a delicious fragrance—something that is not true of other white roses. Each 75c.

**Condessa de Sagato** (H.T.)—Outside petals shading to apricot-copper. It is a brilliant combination, out of the ordinary and makes an instant appeal. Flowers are well shaped, good form, and

See Page 90 for Quantity Price Schedule

## New Patented Roses for 1935

See Color Illustrations on Back Cover of Catalog

**Amelia Earhart** (Plant Patent No. 63)—Truly a magnum pernet, large, yellow, vigorous. Large ovoid bud, cream with blushes; flowers very full graduating from a deep yellow center to an outer collarette of large cream petals with a bluish overtone, extremely fragrant, strong grower, free bloomer, leathery dark green foliage. A worth while addition. Each, \$1.50; doz., \$15.00.

**Blaze** (Plant Patent No. 10)—Acclaimed by the Nation—the only hardy everblooming scarlet climber. It has every element to insure its success, for Blaze combines the vigor, beauty, and hardness of Paul's Scarlet Climber with the everblooming qualities of a favorite everblooming rose. Each, \$1.50; doz., \$15.00.

**Countess Vandal** (Plant Patent No. 38)—The sensation of the shows. The most popular variety at the Century of Progress. A lovely coppery pink and gold, extra long pointed buds. The "Queen of the Garden." Each, \$1.00; doz., \$10.00.

**Golden Climber** (Plant Patent No. 28)—(Mrs. Arthur Curtiss James). Will repeat the success of Blaze. The most interesting and unusual feature is that its extreme hardness is combined with blooms of Hybrid Tea Type and

thick texture, remarkably fragrant and free continuous bloomer. This rose has only to be seen to be admired. We are sure it will prove to be very popular. Each, \$1.00.

**Editor McFarland** (H.T.)—This is one of the most reliable garden Roses in existence. The perfectly formed flowers are clear, brilliant, unfading pink, and as a cut-flower it retains its form and lasts longer than any other Rose we know. The growth is vigorous, the foliage healthy, and it blooms all the time from early summer to frost. Received numerous prizes and gold medals at Rose Shows. Each, 75c.

**Essence** (H.T.)—The long-sought, extra double Etoile de Hollande. Bloom deep crimson, full of "Essence" of Rose. Novelty of great future. Vigorous grower and prolific bloomer. Each, 75c.

**J. Otto Thilow** (H.T.)—The buds of this variety have just about the most perfect form of any rose grown and they open out into a full lasting flower which keeps well. Color is rose-pink, similar to Rose Marie, but the flowers are much larger and are on stiffer stems. Each, 75c.

**Max Krause** (H.T.)—Probably the most yellow Rose of the year for outdoor use—a gold that stays gold. Long bud and cup-formed bloom of great substance freely borne on a long stem. Foliage leathery and unusually resistant to Rose troubles. Each, 75c.

**Mrs. Sam McGredy** (H.T.)—Large, fairly double bloom of orange-salmon, with a suffusion of gold. Vigorous, healthy plant. One of the best of the new tribe. Each, 75c.

**P. W.'s New Golden Emblem** (H.T.)—This grand rose is a selection from the well-known Golden Emblem and we consider it the finest deep yellow garden rose for the Mountain States. The bush is very thrifty and healthy, producing glossy foliage free from disease and insect attacks. Very large deep golden yellow buds and flowers produced in profusion throughout the season. Valuable for either cutting or garden display. Each, 75c.

**New Red Hoover** (H.T.)—This is a new President Hoover rose which has been so much sought after in recent years. It is of the same habit, growth, and shape of bud and flower as the parent rose. The color is a deep glowing red. Excellent for either cutting or garden display. Each, 75c.

### P-W's NOVELTY ROSE COLLECTION OFFERS

(All Transportation Charges Prepaid)  
No. 123—Your selection of one each of any five of the ten Roses listed in this collection.....\$3.00.  
No. 124—One each of the ten Roses listed in this collection.....\$5.50.

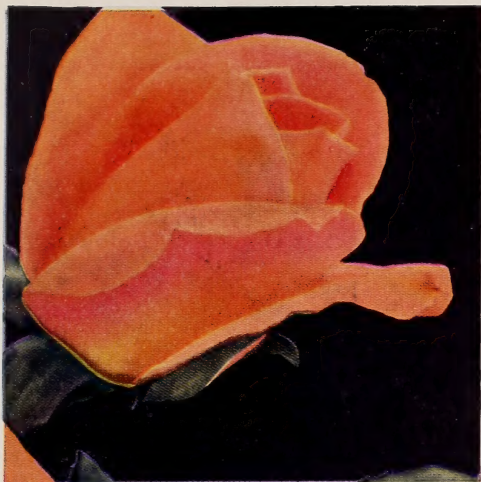
quality, long lasting and most always solitary on stems often eighteen inches or longer. It is very hardy, being able to withstand sub-zero temperatures. The handsome glossy green foliage, green wood and red thorns are very ornamental. Each, \$2.00; doz., \$20.00.

**Mary Hart** (Plant Patent No. 8)—A striking red sport of Talisman. The bud is maroon red, opening to well formed blossoms of deep velvety blood-red with an overglow of amber. Unlike most red roses, Mary Hart does not wilt or dry out when cut, but opens perfectly. Each \$1.00; doz., \$10.00.

(Plant Patent No. 25)—The Golden Talisman. One of the loveliest of roses. Its bloom is a rich deep golden yellow and it is a prolific producer of fragrant flowers for cutting. It is a superb garden variety with all the desirable qualities of the popular Talisman. Each, \$1.00; doz., \$10.00.

**Token** (Plant Patent No. 95)—Large Ophelia shaped bud. The full, double flowers are a single toned glowing orange; a unique color. It is a free bloomer and has an upright growth in the garden. The flowers are very lasting and are pleasing at all stages. The glossy foliage is disease-resistant. Each, \$1.50; doz., \$15.00.





Token—Plant Patent No. 95  
Each \$1.50



Golden Climber Everblooming—Patent No. 28  
Each \$2.00



Mary Hart — Plant Patent No. 8  
Each \$1.00



Blaze Climber Everblooming—Patent No. 10  
Each \$1.50



Souvenir — Patent No. 25  
Each \$1.00



Countess Vandal — Patent No. 38  
Each \$1.00

See Opposite Page for Descriptions of Above Roses





**AMELIA  
EARHART**

U. S. Plant Patent  
No. 63

You'll Enjoy This  
Grand New Rose  
(See page 100 for  
description)

Each

**\$1.50**

Postpaid

**PORTER-WALTON COMPANY**  
**SALT LAKE CITY, UTAH**